CDM-4500

DUAL MODE DIGITAL CDMA TELEPHONE

Digital

IN USE

Digital Phone
AUDIOVOX
516-233-3300

AUDIOVOX

AUDIOVOX™

OWNER'S OPERATING MANUAL

AUDIOVOX
COMMUNICATIONS CORP.

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AUDIOVOX
CDM-4500

Dual Mode CDMA/AMPS
Handheld Portable
Cellular Telephone

In today's fast paced world, it has become a necessity to have access to real-time information. Your communications tools must provide you with this access. With that in mind, Audiovox developed the CDM-4500.

This CDMA 800 MHz/Amps dual mode phone is our first with a built-in Web Browser. The CDM-4500 also features a Vibrating Alert Option, Voice Recognition and Data Capabilities. In addition, the phone features a Lithium Ion battery providing you with 190 minutes of talk time and 170 hours of stand-by, an Enhanced Phone Book with 99 Alpha/198 Numeric Memory Locations; One touch emergency dialing; 15 distinctive ring tones and Menu Driven Operation.

The CDM-4500 digital cellular telephone has several optional accessories available, including: leather carrying case, cigarette lighter plug-in charger, desktop holder, AC adapter, Hands-free car kit and earphone microphone.

And of course, your new CDM-4500 digital handset provides you with something only an Audiovox phone can: the proven reliability that has made us one of the leading wireless handset providers.

Please take a few moments to read the following pages of the user's operation manual. It will help you make the most efficient use of this valuable communications tool.

SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

Read this information before using your handheld portable Cellular Telephone.

EXPOSURE TO RADIO FREQUENCY SIGNALS

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals.

In August, 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for handheld wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

> *ANSI C95.1 (1992)
> *NCRP Report 88 (1986)
> *ICNIRP (1996)

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1). The design of your phone complies with the FCC guidelines (and those standards).

ANTENNA CARE

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

PHONE OPERATION

Normal Position: Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.

*The meanings of the acronyms are:
> ANSI : American National Standards Institute
> NCRP : National Council on Radiation Protection and Measurements
> ICNIRP: International Commission on Nonionizing Radiation Protection

Tips on Efficient Operation:

For your phone to operate most efficiently:
- Extend your antenna fully.
- Do not touch the antenna unnecessarily when the phone is in use. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

DRIVING

Check the laws and regulations on the use of wireless telephones in the areas where you drive. Always obey them. Also, if using your phone while driving, please:
- Give full attention to driving — driving safely is your first responsibility.
- Use handsfree operation, if available.
- Pull off the road and park before making or answering a call if driving conditions so require.

ELECTRONIC DEVICES

Most modern electronic equipment is shielded from RF signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone.

Pacemakers

The health Industry Manufacturers Association recommends that a minimum separation of six (6") inches be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

> **Persons with pacemakers:**
> ■ Should ALWAYS keep the phone more than six (6") inches from their pacemaker when the phone is turned ON.
> ■ Should not carry the phone in a breast pocket.
> ■ Should use the ear opposite the pacemaker to minimize the potential for interference.
> ■ If you have any reason to suspect that interference is taking place, turn your phone OFF immediately.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider [or call the customer service line to discuss alternatives.]

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Turn your phone OFF in any facility where posted notices so require.

AIRCRAFT

FCC regulations prohibit using your phone while in the air. Switch OFF your phone before boarding an aircraft.

BLASTING AREAS

To avoid interfering with blasting operations, turn your phone OFF when in a "Blasting area" or in areas posted "Turn off two-way radio". Obey all signs and instructions.

POTENTIALLY EXPLOSIVE ATMOSPHERES

Turn your phone OFF when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.
Areas with a potentially explosive atmosphere are often but not always clearly marked. They include fueling areas such as gasoline stations, below deck on boats, fuel or chemical transfer or storage vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as: grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

For Vehicles Equipped with an Air Bag

An air bag inflates with great force. DO NOT place objects, including both installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

PRECAUTIONS

Your Handheld Portable Telephone is a high quality piece of equipment. Before operating the equipment, read all instructions and cautionary markings on (1) AC Adapter, (2) Battery and (3) Product using Battery.

1. DO NOT use this equipment in an extreme environment where high temperature or high humidity exists.

2. DO NOT abuse the equipment. Avoid striking, shaking or shocking. When not using the unit, lay down the unit to avoid possible damage due to instability.

3. DO NOT expose this equipment to rain or spilled beverages.

4. DO NOT use unauthorized accessories.

5. DO NOT disassemble the phone or its accessories; If service or repair is required, return the unit to an authorized Audiovox cellular service center. If the unit is disassembled, the risk of electric shock or fire may result.

6. To prevent injury or burns, DO NOT allow metal objects to contact or short circuit the battery terminals.

7. DO NOT open the battery case. If the battery is accidentally broken, avoid skin contact with the internal chemical contents. If there is skin contact, wash the affected area immediately and seek medical advice.

8. DO NOT put the battery close to, nor dispose it into fire.

9. The product that you have purchased contains a rechargeable Battery. At the end of its useful life, under various state and local laws, it may be illegal to dispose of this Battery into the municipal waste stream. Check with your local solid waste officials for proper disposal procedures in your area.

SYSTEM CONFIGURATION

System configuration and the equipment list are as shown below.

Retractable
Whip Antenna

⑤
Wrist Strap

① Handheld Portable Telephone

② Battery Pack

④ AC Adapter

③ Desktop Holder

List of Equipment

No.	Name of the Equipment
①	Handheld Portable Telephone
②	Slim Lithium Ion Battery Pack (BTR-4500)
③	Desktop Holder (DTH-4000)
④	AC Adapter (CNR-4000)
⑤	Wrist Strap

WRIST STRAP ATTACHMENT

Attach the wrist strap to the phone through the strap hole as shown below ① .
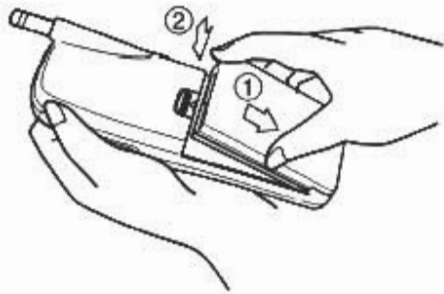Then put the long loop through the smaller loop as shown below ② .
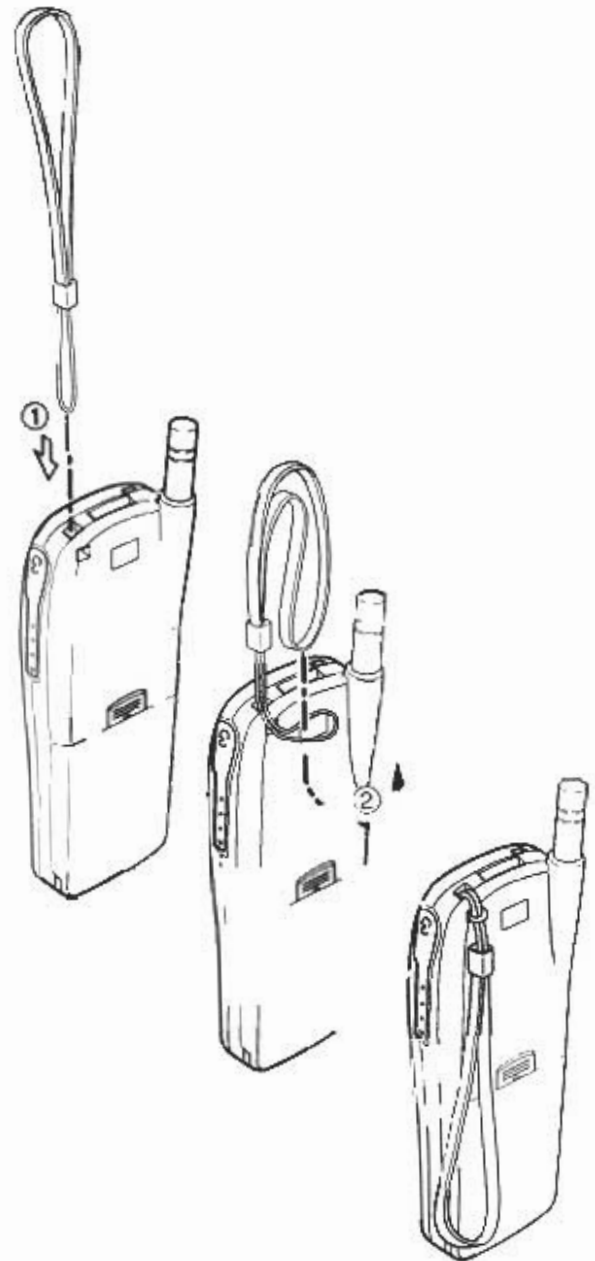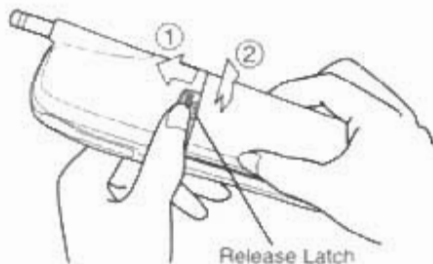
BATTERY INSTALLATION AND RECHARGING

To Attach the Battery Pack

① Insert the hook at the end of the Battery Pack into the slot at the end of the phone.

② Press the Battery Pack down to lock the Battery Pack onto the phone.

To Detach the Battery Pack

① Slide back the Release Latch as shown below.

② Lift up to remove the Battery Pack from the phone gently.

Release Latch

To Recharge Battery

Your CDM-4500 has a built-in charger function. To recharge the Battery Pack, always install the Battery Pack to the Phone.

1. Attach the Battery Pack to the Phone.
2. Insert the DC plug of the AC Adapter (CNR-4000) to the Desktop Holder (DTH-4000). Plug the AC Adapter to AC outlet.
3. Place the Phone with Battery Pack into the Desktop Holder.

4. Then the recharging starts. The display indicates "now charging" with animation. You can see a battery level indicator scrolling at the upper-right of the display.
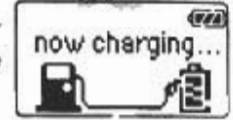
now charging...

5. For complete recharging, it is recommended that the phone is turned off during recharging.
6. When the recharging is completed, the display indicates "fully charged".
7. It is normal that Battery Pack may become a little warmer during recharging.

The recharging time, from empty to full, depends on the environmental temperature, 0 to +35°C.

Battery Type	Recharging Time
Slim Lithium Ion (BTR-4500)	1.5 to 2 h

Desktop Holder   AC Adapter
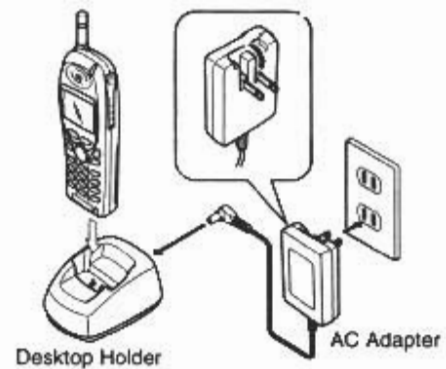
Alternatively you can recharge the Phone using AC Adapter as illustrated below.

AC Adapter
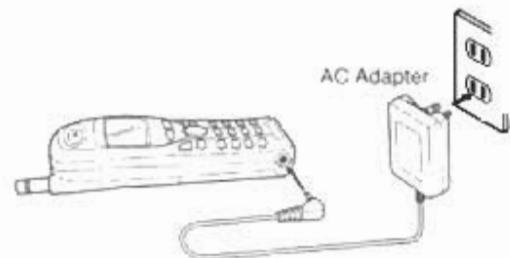
Note: Do not feed the power to the Phone without Battery Pack.

FUNCTIONS

External View

Retractable
Whip Antenna

Power
Indicator

Receiving
Signal
Strength
Indicator

Digital
Mode
Indicator

IN USE
Indicator

Roaming
Indicator

Message
Indicator

Battery Level
Indicator

Send Key

Store Key

Message
Access Key

OneTouch
Emergency Key

Digit Keys

DC
Power Jack

Voice Activated
Dialing Key

Incoming Call
Indicator

Earpiece

Earphone
Mic Jack

Data
Connector

Graphic
Display

End Key with
Power On/Off

Clear Key

Voice Mail
Access Key

Multi Function
Key

▲ Up-arrow
◄ Recall
► Function
▼ Down-arrow

Web Browsing
Key

Microphone

Function of Keys

Digit Keys

To enter Telephone Numbers, Names or special characters (✱ or #). ① is also used for OneTouch Emergency feature.

Function Keys

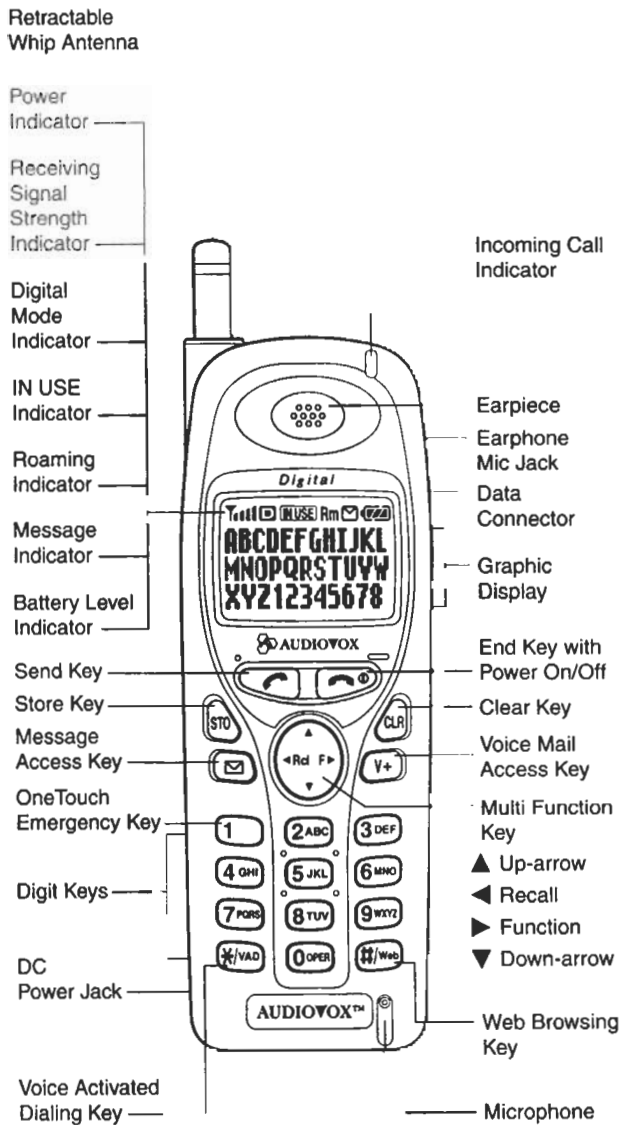| Key	Description
SEND	SEND key. To originate or receive a Call.
END	END key. To terminate a Call and to turn the phone ON/OFF.
◄Rd	To recall phone numbers from memory. Also used as Left-arrow key.
F►	To be used with other keys to activate various special features. Also used as Right-arrow key.
▲▼	To control Earpiece audio level, Alert Tone and Key Tone. Also used as Up/Down-arrow keys.
STO	To store phone numbers in memory.
CLR	To clear digits from the display or from a memory location.
✉	To review Text Messages or to learn how many Voice Messages are in your Voice Mailbox.
V+	To access your Voice Mail with only one key.

Key-Board Arrangement

LCD Display Indication

Items	Descriptions
Yıll	Receiving Signal Strength Indicator. The number of lines indicates the received Signal Strength, and Y is also used as a POWER ON Indicator.
D	Digital Mode Indicator. To indicate the phone is operating in digital mode.
IN USE	A Call is in progress.
Rm	The phone is out of the Home-Area.
✉	Message Indicator. To indicate that Text Messages are stored in memory or Voice Messages are in your Voice Mailbox.
⊏▨▨	Battery Level Indicator. Monitors the battery charge condition.
ABCDEFGHIJKL MNOPQRSTUVW XYZ12345678	Graphic full-dot matrix display with flexible font size in 2 to 4 lines.

GETTING STARTED

Turning the Phone On/Off

Press [📞⑨] for more than one second. All the indicators and the digit display will light momentarily, and a tone will be heard. The indicator T will stay while the phone is turned on.

To turn the phone off, press [📞⑨] for more than one second.

Antenna Position

The antenna can be used in its fully extended or fully retracted position only. It is recommended that the antenna should be fully extended for optimum performance and signal strength or while operating in poor signal areas.

Receiving Signal Strength Indicator (ᵀₐₗₗ)

The number of lines indicates the Signal Strength in your area. Four lines show the maximum level. The display will vary as you move with the phone. If the signal is not strong enough to place a call, "No Service" will appear on the LCD display.

Battery Level Indicator

You can always monitor the battery charge condition with the constant battery level indicator. The number of blocks indicates the battery conditions as follows:

- 🔋 Full charge
- 🔋 Low charge
- 🔋 Flashing indicates discharged.

Power Management

Battery	Mode	Talk Time up to	Standby Time up to
Slim Battery (BTR-4500)	CDMA	190 min.	170 h
	Analog	65 min.	12 h

The operating times are approximate values and may vary depending on network configuration and handset usage.

BASIC OPERATION

▪ Placing Calls

To Place a Call

1. Enter the phone number. (A maximum of 32 digits will be displayed.)

2. Press [📞]. The [IN USE] indicator will light.

• To Correct a Number

Press [CLR] to clear the last digit.
Press and hold [CLR] to erase all the digits entered.

• If the Call Fails to Go Through

Press [📞⑨], and [📞] to redial the number.

To Terminate a Call

Press [📞⑨]. The [IN USE] indicator will go out.

Last Number Redial

Press [◄Rd] [✳/VAD] to recall the last number you dialed, then press [📞].
See Call History on page 42 for details.

To Dial the Last Number Received

Press [◄Rd] [#/ww] to dial the last number with Caller ID you received, then press [📞].
See Call History on page 42 for details.

Phonebook Dialing

Press [◄Rd] and enter an address (01 to 99) to recall a number from your phonebook, then press [📞].
See Phonebook Recall on page 31 for details.

To Mute a Phone Conversation

Press (ᴵ⁾) (ᴵ⁾) to mute your conversation at any time during a call. "Mute" will be displayed.
To return to normal conversation, press (ᴵ⁾) (ᴵ⁾) again.

Speed Dialing

If you know the phonebook address of the telephone number that you want to call, you may place a call without using (+Rd) .

1. Enter the one or two digits of your Phonebook address (1 ~ 9 or 10 ~ 99).
2. Press (📞). The phone number will be displayed. The [IN USE] indicator will light, and the call will be placed.

Note: *If two telephone numbers are stored in the address, the Primary Number will be dialed.*

Quick Dialing

When this feature is on, the Primary number in your Phonebook address 02 to 09 can be dialed with just one push of the key. See **Quick Dialing (F01)** on page 73 to turn this feature on/off.

1. Press a digit key ((2ABC) to (9WXYZ)) for more than one second.
2. The number in your phonebook is automatically dialed. The phone number will be displayed. The [IN USE] indicator will light.

Note: *The key (1) is not for Quick Dialing, but for One Touch Emergency Call, page 19.*

Emergency Call

This feature permits you to place an emergency call even if your telephone is in **"Phone Lock"**, **"Keypad Lock"** or **"Restrict"** mode. Up to 3 numbers can be programmed as Emergency numbers. The emergency numbers **"911"** and **"*911"** are already preprogrammed. See **To Change Emergency Numbers (F62)** on page 69.

> **Example:** To Call 911 in **"Phone Lock"** or **"Keypad Lock"** mode.

1. Enter (9WXYZ) (1) (1). The **"911"** will not be displayed, but **"Phone Lock"** or **"Keypad Lock"** will be displayed.
2. Press (📞).
   The **"911"** will be displayed. The [IN USE] indicator will light, and the call will be placed.

```
Tₐₗₗ  [IN USE]      (▨)
Calling
Emergency
            911
```
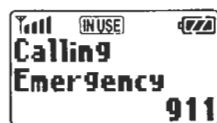
OneTouch Emergency Call

This feature permits you to dial an emergency number by a single key stroke, even in the **"Phone Lock"** or **"Restrict"** mode. This feature can be turned off to prevent unintentional calls to the emergency number.

See **To Turn On/Off OneTouch Emergency Call Feature (F63)** on page 69.

1. Press and hold (1) for more than 2 seconds. The number in emergency memory location "1" will be dialed.
2. Then the [IN USE] indicator will light, and the call will be placed. (The factory preset number is **"911"**.)

Note: *This feature cannot be used if the Keypad Lock is on. You need to dial all the digits and (📞).*

Emergency Call Mode

When you dial one of the 3 pre-programmed emergency numbers, your phone will enter the **"Emergency Call Mode"**. In this mode, the phone will attempt to complete the emergency call using any available cellular system from which it can obtain service.

After it places an emergency call, the phone will stay in the **"Emergency Call Mode"**, and will display **"Emergency Call Mode, END to exit"**. In the **"Emergency Call Mode"**, the phone will attempt to continue to receive service from the Cellular system that it used to complete the call. The phone will automatically exit the **"Emergency Call Mode"** after 5 minutes or after you press END.

Receiving Calls

To Receive a Call

When the telephone rings, press (📞) to answer the call. The [IN USE] indicator will light.

Any Key Answering

This feature permits you to answer an incoming call by pressing any key on the key pad except (📞) and (+Rd F▸).

Caller ID with Name

This feature allows you to preview in your display the number and name of the party calling you before you answer the call. The name is as you programmed it in your phonebook.

1. When the phone rings, the Calling Number appears in the display.

2. The last 10 Caller IDs are stored in the memory for your review and redial. See **Call History** on page 42 for details.

```
Incoming Call
JACK
123-456-7890
```

Note: *"Number Restricted" or "Number Unavailable" is displayed when the Caller ID is restricted or not available.*

Automatic Calls-in-Absence Indicator

This feature indicates the number of unanswered incoming calls. If incoming calls are not answered, the LCD display will indicate **"Called XX"**. **"XX"** is the number of calls (01 to 99) missed. Depressing any key will clear the display.

Ringing Tone with Melody

The CDM-4500 offers you 15 styles of ringer tones and melodies for alerting incoming calls. Ringer volume can also be adjusted. See **Ring Type Selection (F32)** and **Alert Tone Volume Control (F31)** on page 58 for setting. See also **Vibrator Alert (F8)** on page 73.

Distinctive Ringing (Audible Caller ID)

You may program different ringer styles for different phonebook addresses. See **To Store a Ring Type with the Phone Number** on page 29 for setting.

During Calls

To Adjust the Earpiece Volume

Simply press ( ) or ( ) to adjust Earpiece Volume during a call.

```
EAR VOLUME
..••••❚❚❚❚
```
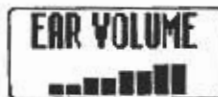
Scratch Pad Dialing

If you enter a telephone number during a call, the number will be stored in the Scratch Pad memory.

After terminating the call, the number you entered can be dialed by ⌐⌐.

Note: *You can deactivate "Sending DTMF" so that keypad tones will not be transmitted to the calling party. See Sending DTMF (F35) on page 59.*

Automatic Talk Timer

The talk time of the current call will be automatically displayed.
For example, "1h23m45s".

Call Waiting

Your service provider may provide Call Waiting service. When you are on a call, you may hear beep tone alerting you of another incoming call. Your phone displays "New Caller" and the new caller's ID with the name. The name is as you programmed it in your phonebook.

1. Press ⌐⌐ to answer the new call.

2. Press ⌐⌐ again to switch between the two calls.

Three-Way Calling

Your service provider may provide Three-Way Calling service. When a call is already in progress, you may call the third party.

1. Enter a number and press ⌐⌐ to call the third party.

2. Press ⌐⌐ again to connect all three parties.

Ask your service provider for the detailed information.

Standby

Clock Indicator (Digital Mode Only)

When the phone is in an area with digital service (Digital Mode), Date and Time are automatically displayed, if this feature is enabled. See **Clock Indicator (F42)** on page 62 to turn this feature on/off.

Example:

```
T••••ID          ⬜
Apr 12 Mon
10:30 am
```
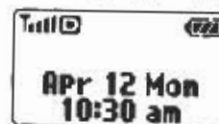
Notes: *1. During Digital Mode, the ▣ indicator lights.*
2. During Analog Mode, or while "No Service" is indicated, the time display is not available even if this feature is enabled.

End to End Signaling

To utilize certain phone services, such as accessing an alternate long distance network, signaling a pager or banking by phone etc., Touch Tone™ signaling is required. The following features will make it easy to send frequently used Touch Tone™ signals. See **Link Dialing** on page 38 for more information.

Touch Tone™ from Display

When **Sending DTMF** (page 59) mode is on, the numbers will be sent in TouchTone™ signals during a call as you press digit keys. When **Sending DTMF** mode is off, you can send TouchTone™ signals in the following manner.

1. Enter the number.

```
123-456-7890
[STO]        MENU▶
```

2. Press (⏏) and scroll to "TONE".

```
           MENU
MUTE
TONE          ▶
LINK MARK
```

3. Press (⏏) . The number in the display will be sent in Touch Tone™ signals.

Touch Tone™ from Memory

Touch Tone™ signals can be sent from memory during a call.

1. Press (⏏) , and recall the number you want to send in Touch Tone™ signals.
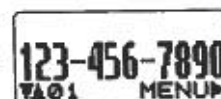
```
123-456-7890
▼▲01         MENU▶
```

2. Press (⏏) and scroll to "TONE".

```
           MENU
TONE          ▶
VIEW TEL#
VIEW NAME
```

3. Press (⏏) . The number in the display will be sent in Touch Tone™ signals.

PHONEBOOK OPERATION

Your phone has an Enhanced Phonebook with 99 dual-number memory addresses. At each address, you can store up to two telephone numbers under one name. This feature allows you to store, under one name, a person's home and office number, office and mobile number, etc. Stored numbers can be easily recalled and dialed by pressing ⌒ . Numbers can also be marked Secret for added privacy.

Number of Digits per Phonebook Address

Address	Single Number or Dual Numbers	Linked Numbers
01 to 90	Up to 32 digits	Up to 40 digits
91 to 99	Up to 32 digits	Up to 80 digits
Note	Includes Dual Mark and Manual Hyphens	Includes Link Marks and Manual Hyphens

Phonebook Entry

To program your phonebook, enter the information in the following order. You may skip "Name", "Option" and/or "Voice".

(CLR) Number (STO) :Name: (STO) :Option: Address :Voice:

To Store a Number without Name

1. Press (CLR) , then enter the phone number.
2. Press (STO) (STO) , then enter the desired memory address (01 through 99).

3. Press (STO) (STO) .

```
Address:__
    Auto:04
[STO]   OPTION▶
```

4. Enter (0⁰ᵖⁿ) (7⁷ᵖᵍⁿ) and press (⏏) (⏏) .

```
#07    Stored
95 Empty
 4 Used
```
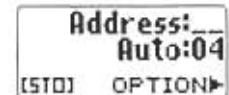
Overwrite Warning

When you attempt to store a number in an address where another number has been already stored, you will have "**OVERWRITE**" warning.

Example: To store the number 9 8 7 6 5 4 3 2 1 0 in the address 07, where another number 1 2 3 4 5 6 7 8 9 0 is already stored.

1. Press (CLR) .
2. Enter (9wxyz) (8tuv) (7pqrs) (6mno) (5jkl) (4ghi) (3def) (2abc) (1) (0oper) .

   987-654-3210
   [STO]   MENU▶

3. Press (STO) (STO) .

   Address:__
          Auto:04
   [STO]   OPTION▶

4. Enter (0oper) (7pqrs) .
   The already stored number is displayed momentarily.

   123-456-7890
   #07 USED

5. Two seconds later.

   PHONEBOOK
   OVERWRITE
   YES
   NO   ▶

6. If you accept to overwrite, scroll to "**YES**" and press (F▶) (▾) (F◀) .
7. If you do not want to overwrite, scroll to "**NO**" and press (F▶) . The screen returns to the step 3 again.

Auto Hyphenation

With this feature on, hyphens are automatically inserted when you enter telephone numbers and when you recall the numbers from the Phonebook. See **Auto Hyphenation (F23)** on page 56 to activate or deactivate this feature.
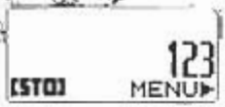
Length of Number	Display Example
10 digits or less	123-456-7890
11 to 21 digits	1-234-567-89012
22 digits or more	No hyphens

Note: When you manually insert hyphens, the "Auto Hyphenation" feature will not work for that particular number.

Manual Hyphenation

You can manually insert a hyphen at any place when you enter a telephone number. The maximum number is 32 digits long including hyphens.

Example: To insert a hyphen in the number 1 2 3 4 5 6 7 to display it as 123-4567.

1. Press (CLR) .
2. Enter (1) (2abc) (3def) .

   123
   [STO]   MENU▶

3. Press (F▶) and scroll to "**HYPHEN**".

   MENU
   LINK MARK
   DUAL MARK
   HYPHEN   ▶

4. Press (F▶)

   123-
   [STO]   MENU▶

5. Enter (4ghi) (5jkl) (6mno) (7pqrs)

   123-4567
   [STO]   MENU▶

Automatic Storing into Phonebook

This feature allows convenient automatic storing into a vacant phonebook address.

The number will be stored in the first available memory address which will be indicated in the display. This feature can prevent the possible overwriting of a previously stored number.
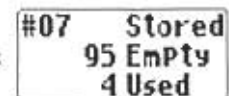
1. Enter the phone number.
2. Press (STO) (STO) (STO) .

Example: To store the phone number 1 2 3 4 5 6 7 8 9 0 into a vacant memory address 04.

1. Press (CLR).
2. Enter (1) (2abc) (3def) (4ghi) (5jkl) (6mno) (7pqrs) (8tuv) (9wxyz) (0oper) .

   123-456-7890
   [STO]   MENU▶

3. Press (STO) (STO) .

   Address:__
          Auto:04
   [STO]   OPTION▶

4. Press (STO) (.) (F+)

```
#04    Stored
      94 Empty
       5 Used
```

To Store Dual Numbers in Phonebook

You can store Dual Numbers with Dual Mark "\" up to 32 digits for all the address 01 to 99 in the phonebook.

```
+------- Up to 32 digits -------+
| Primary Number |\| Secondary Number |
```
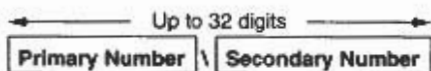
To store two telephone numbers in one phonebook address, enter the first number, select the Dual Mark "\" by using Menu, then enter the second number.

Example: To store the primary number 1 2 3 4 5 6 7 8 9 0 and the secondary number 9 8 7 6 5 4 3 2 1 0 in address 08.

1. Press (CLR).

2. Enter (1) (2ABC) (3DEF) (4GHI) (5JKL) (6MNO) (7PQRS) (8TUV) (9WXYZ) (0OPER).

```
123-456-7890
[STO]    MENU►
```

3. Press (F+) and scroll to "DUAL MARK".

```
        MENU
LINK MARK
DUAL MARK    ►
HYPHEN
```

4. Press (F+).
The Dual Mark "\" is inserted.

```
             1
23-456-7890\
[STO]    MENU►
```

5. Enter (9WXYZ) (8TUV) (7PQRS) (6MNO) (5JKL) (4GHI) (3DEF) (2ABC) (1) (0OPER).

```
987-654-3210
[STO]    MENU►
```

6. Press (STO) (STO).

```
Address:__
      Auto:05
[STO]  OPTION►
```

7. Enter (0OPER) (8TUV) and press (.) (F+).

```
#08    Stored
      93 Empty
       6 Used
```

Note: You can add a second number after storing a first number. See **To Enter a Second Number** on page 34.

To Store a Name with the Phone Number

To use this procedure, you will need to refer to "**Alpha Mode**" below.

1. Enter the phone number.
2. Press (STO) to select the Alpha Mode.
3. Enter the name.
4. Press (STO), then enter the memory address (01 through 99) to store the number with the name into memory.

Example: To store the phone number 1 2 3 4 5 6 7 8 9 0 with the name Mr. JACKSON into memory address 11.

1. Enter the phone number;
(1) (2ABC) (3DEF) (4GHI) (5JKL) (6MNO) (7PQRS) (8TUV) (9WXYZ) (0OPER).

```
123-456-7890
[STO]    MENU►
```

2. Set Alpha Mode; (STO)

```
Enter Alpha!
[STO]    [U+]:X►X
```

3. Enter the Name;
(6MNO) for "M",
(V+) (7PQRS) (7PQRS) (7PQRS) for "r",
(*/vad) (6MNO) for ".", (V+) (5JKL) for "J", (2ABC) (F+) for "A", (2ABC) (2ABC) (2ABC) for "C", (5JKL) (5JKL) for "K", (7PQRS) (7PQRS) (7PQRS) (7PQRS) for "S", (6MNO) (6MNO) (6MNO) (F+) for "O", and (6MNO) (6MNO) for "N".

```
Mr.JACKSON
[STO]    [U+]:X►X
```

4. Press (STO).

```
Address:__
      Auto:05
[STO]  OPTION►
```

5. Enter (1) (1) and press (.) (F+).

```
#11    Stored
      92 Empty
       7 Used
```

Alpha Mode

You can add an identifying name ("Alpha Tag" up to 2 lines or 20 to 24 characters) to the phone numbers at each phonebook address.

To Enter Names using Alpha (Letters)

1. Press (CLR), then enter the phone number.
2. Press (STO).

```
Enter Alpha!
[STO]    [U+]:X►X
```

3. Press digit key repeatedly to display the letter that you want. The following table shows which character is assigned with each digit key. For example, to enter the letter "D", press (3ᴅᴇꜰ) once. For the letter "F", press (3ᴅᴇꜰ) 3 times.

Assigned Alpha Characters

Key	1 press	2 press	3 press	4 press	5 press
1	Blank	1			
2 ABC	A / a	B / b	C / c	2	
3 DEF	D / d	E / e	F / f	3	
4 GHI	G / g	H / h	I / i	4	
5 JKL	J / j	K / k	L / l	5	
6 MNO	M / m	N / n	O / o	6	
7 PQRS	P / p	Q / q	R / r	S / s	7
8 TUV	T / t	U / u	V / v	8	
9 WXYZ	W / w	X / x	Y / y	Z / z	9
0 OPER	0				

4. To change from upper to lower case characters or vice versa, press (ᵥ•) during entry of Alpha.
5. To enter special characters, press (✳/ᴡᴀᴏ) or (#/ᴡᴀᴅ) and a digit key to select characters from the table below.

Assigned Special Characters

(✳/ᴡᴀᴏ)					(#/ᴡᴀᴅ)				
1	!	2	?	3	_	1	(| 2 |)	3	:
4	+	5	-	6	.	4	<	5	>	6	&
7	✳	8	/	9	=	7	"	8	'	9	#

6. If you make a mistake, press (ᴄʟʀ) to erase the last character. Press and hold (ᴄʟʀ) to erase all the characters on the display.
7. Press (ɾ•) to move the cursor, which inserts a blank space after the last character.
8. Press (◄•) to move the cursor back to insert new characters.
9. To exit the Alpha Mode, press (➡•).

Note: You must enter the phone number first, then add the name. Entering a number after the name will erase the name.

To Store a Ring Type with the Phone Number (Distinctive Ringing)

You can choose one of 15 ring types for each phonebook address. With this feature, you will be able to distinguish who is calling by hearing the ringing tone. The ring type is selected while storing the number when the word "**OPTION**" appears.

Example: To store a number with Ring Type #02 in the address 12.

1. Enter the phone number, and press (ꜱᴛᴏ) (ꜱᴛᴏ).

```
Address:__
      Auto:05
[STO]   OPTION►
```

2. Press (ɾ•) and scroll to "RING TYPE".

```
           OPTION
►RING TYPE     ►
 SECRET
```

3. Press (ɾ•) and scroll to one of the numbers, which you want to set.

```
TEL NUMBER
123-456-7890
987-654-3210
          SELECT►
```

4. Press (ɾ•) and scroll to sample the different ring types.

```
RING TYPE
✓COMMON
 RING#01
 RING#02     ►
```

5. Press (ɾ•) to set the new ring type.

```
Address:__
      Auto:05
[STO]   OPTION►
```

6. Enter (1) (2ᴀʙᴄ) and press (ᴛ) (ɾ•).

```
#12    Stored
       91 Empty
        8 Used
```

Notes. 1. If you have one number only, the step 3 is skipped.

2. The "COMMON" shown in the step 4 is the ring type you selected with the Function Menu. See **Ring Type Selection (F32)** on page 58.
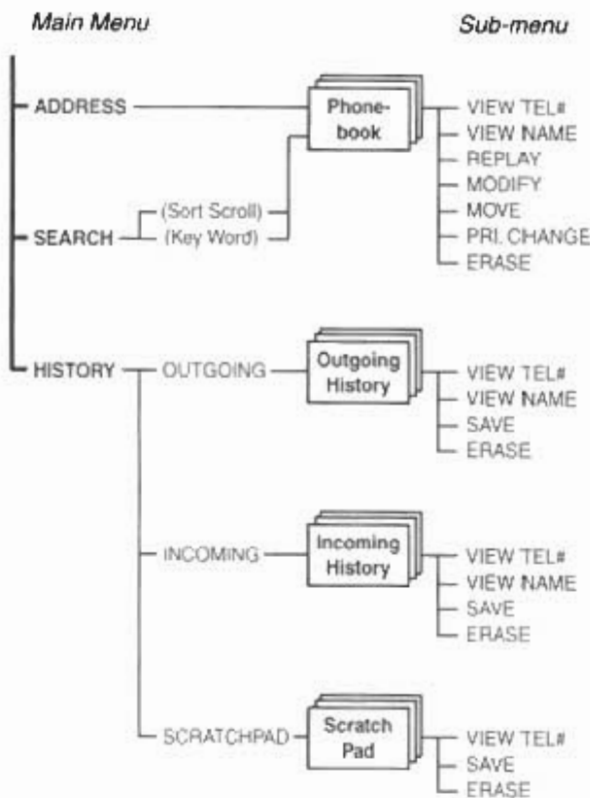
Press ⟨•Rcl⟩ key. The following **"RECALL"** menu will prompt you to recall the number from the memory.

```
            RECALL
ADDRESS  :__▶
SEARCH   :_
HISTORY
```
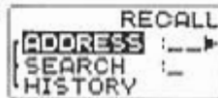
- **"ADDRESS"**   Phonebook Address Mode
- **"SEARCH"** :   Phonebook Sort Scroll Mode or
                    Phonebook Key Word Search Mode
- **"HISTORY"**   Call History Mode

Recall Menu Tree

Main Menu   *Sub-menu*

```
─ ADDRESS ──────────┌─Phone-┐── VIEW TEL#
                    │ book  │── VIEW NAME
                    └───────┘── REPLAY
                             ── MODIFY
        ┌─(Sort Scroll)─┐    ── MOVE
─ SEARCH ┤              │    ── PRI.CHANGE
        └─(Key Word)────┘    ── ERASE

─ HISTORY ── OUTGOING ──┌─Outgoing─┐── VIEW TEL#
                        │ History  │── VIEW NAME
                        └──────────┘── SAVE
                                    ── ERASE

          ── INCOMING ──┌─Incoming─┐── VIEW TEL#
                        │ History  │── VIEW NAME
                        └──────────┘── SAVE
                                    ── ERASE

          ── SCRATCHPAD ──┌─Scratch─┐── VIEW TEL#
                          │  Pad    │── SAVE
                          └─────────┘── ERASE
```

Notes: 1. The submenu "PRI.CHANGE" will be available only when two telephone numbers are stored in that address.

2. The submenu "REPLAY" will be available only when your voice is stored in that address.

To recall the numbers stored in your phonebook, you have three methods: Address Mode, Sort Scroll Mode and Key Word Search Mode.

Phonebook Address Mode

This mode is useful in finding a phone number by re-calling a specific address or by scrolling the Phonebook.

1. Press ⟨•Rcl⟩ .
2. Enter the two-digit Memory Address.

```
            RECALL
ADDRESS  :__▶
SEARCH   :_
HISTORY
```
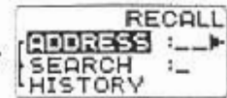
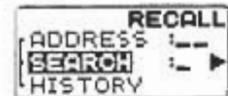3. Press ⟨∧⟩ or ⟨∨⟩ to scroll.

Note: The scroll feature will skip any vacant memory address(es).
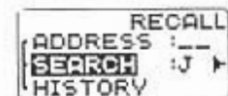
Phonebook Sort Scroll Mode

This mode sorts and displays, in alphabetical order, tele-phone numbers stored with "Alpha Tags" (Names). Blank digits on top will be disregarded for scroll.

Example: To display the numbers stored in the memory alphabetically from "J".
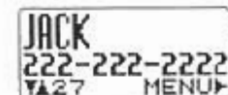
1. Press ⟨•Rcl⟩ ⟨∨⟩ .

```
            RECALL
ADDRESS  :__
SEARCH   :_ ▶
HISTORY
```

2. Press ⟨5 JKL⟩ for "J".

```
            RECALL
ADDRESS  :__
SEARCH   :J ▶
HISTORY
```

3. Press ⟨►►⟩

```
JACK
222-222-2222
▼▲27      MENU▶
```

4. Press ⟨∨⟩

```
JILL
333-333-3333
▼▲22      MENU▶
```

5. Press ⟨∨⟩

```
KEN
▓▓▓▓▓▓▓▓▓▓▓
444-444-4444
▼▲24      MENU▶
```
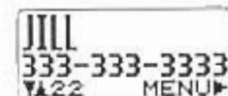
Note: When the Alpha Tag is 2 lines long, only the Al-pha Tag is displayed without the telephone num-ber. However, a call can still be made by simply pressing ⟨📞⟩ .

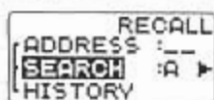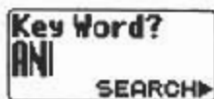**Example:** To search the character string AN stored in the Phonebook.

1. Press ⊛ ⦿ .

```
                    RECALL
  ADDRESS :__
  SEARCH  :_  ▶
  HISTORY
```

2. Press (2ᴬᴮᶜ) for "A".

```
                    RECALL
  ADDRESS :__
  SEARCH  :A  ▶
  HISTORY
```

3. Press (6ᴹᴺᴼ) (6ᴹᴺᴼ) for "N".

```
  Key Word?
  AN
              SEARCH▶
```

4. Press ⦿

```
  Albany
  777-777-7777
  ▼▲37      MENU▶
```

⌣

```
  LOUISIANA
  888-888-8888
  ▼▲32      MENU▶
```

6. Press ⌣

```
  San
  Francisco
  ▼▲34      MENU▶
```

7. Press ⦿

```
  Albany
  777-777-7777
  ▼▲37      MENU▶
```
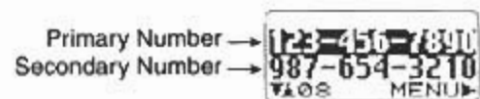
8. Press ⦿

```
  San
  Francisco
  ▼▲34      MENU▶
```

To Dial Dual Numbers

After the number is recalled in the display, it can be easily called by pressing ⦅📞⦆ .

• To dial the primary number, just press ⦅📞⦆.
• To dial the secondary number, press ⦿ ⦅📞⦆ .

```
Primary Number →  123-456-7890
Secondary Number → 987-654-3210
                  ▼▲08      MENU▶
```

To Review Long Numbers

This feature allows you to review all the digits of very long numbers or numbers stored with Alpha Tags.

1. Use any of the previously described Phonebook search modes to recall a number.
2. Press ⦿ and scroll to "VIEW TEL#", and the entire digits of the number will be displayed.

To Review Long Names

This feature allows you to review whole Alpha Name Tag stored with dual numbers.

1. Use any of the previously described Phonebook search modes to recall a number.
2. Press ⦿ and scroll to "VIEW NAME". Press ⦿ again, and all the characters of the Name will be displayed.

Prepending Dialing

This feature will be convenient when you need to add an area code to the number in the phonebook.

Example: To add 1 2 3 to a number 4 5 6 7 8 9 0.

1. Recall the number.

```
             456-7890
  ▼▲14      MENU▶
```

2. Enter (1) (2ᴬᴮᶜ) (3ᴰᴱᶠ)

```
                   123
             456-7890
```

3. Press ⦅📞⦆ . Then the call is placed to 123-4567890.

Note: The added digits will not be stored in the phone-book memory.

Phonebook Edit

This section guides you how to modify, move, change priority and erase the phonebook contents.

To Modify Numbers and Names

You can modify any of the phonebook contents you have stored, including Phone Numbers, Names, Ring Type, Secret and Address.

To Modify Phone Numbers

Recall the number from the phonebook.

Press (⟲) to select "MENU", then scroll to "MODIFY" and press (⟲). Enter the new digit(s) and delete the old digit(s) by pressing (CLR). To move the cursor, press (⟲) to left, (⟲) to right.

To Modify Alpha Name Tag

Recall the number and proceed to "MODIFY" as above. Press (STO), and the Name Tag will appear by itself. Press (CLR) to clear the letter(s), and enter the new Name.

To Modify Address

After you modified number/name, just press (STO) without entering new address, and the current phonebook address will be overwritten. If you enter a new address, and press (STO), the modified number/name will be copied to the new address, while the original address will remain unchanged.

To Enter a Second Number

Example: To add the secondary number 9 8 7 6 5 4 3 2 1 0 in the address 07.

1. Recall the number stored in the memory address 07.

```
123-456-7890
▼▲07      MENU▶
```

2. Press (⟲) and scroll to "MODIFY".

```
          MENU
▸VIEW TEL#
▸VIEW NAME
▸MODIFY    ▶
```

3. Press (⟲).

```
123-456-7890
[STO]     MENU▶
```

4. Press (⟲) and scroll to "DUAL MARK".

```
          MENU
▸LINK MARK
▸DUAL MARK ▶
▸HYPHEN
```

5. Press (⟲).
   The Dual Mark " \ " is inserted.

```
23-456-7890\¹
[STO]     MENU▶
```

6. Enter (9) (8) (7) (6) (5) (4) (3) (2) (1) (0).

```
987-654-3210
[STO]     MENU▶
```

7. Press (STO) (STO).

```
Address:__
Original:07
[STO]   OPTION▶
```

8. Press (STO).
   The original number is displayed momentarily.

```
123-456-7890
#07 USED
```

9. Two seconds later.

```
PHONEBOOK
OVERWRITE
▸YES       ▶
▸NO
```

10. Press (⟲) (⟲) (⟲) to store in the original address.
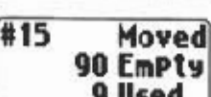
```
#07    Stored
90 EmPty
9 Used
```

To Move Numbers and Names

You can move the phonebook contents to a new address. The original address will then be erased.

Example: To move the number 1 2 3 4 5 6 7 8 9 0 from the address 20 to 15.

1. Recall the number stored in the address 20.

```
123-456-7890
▼▲20      MENU▶
```

2. Press (⟲) and scroll to "MOVE".

```
          MENU
▸VIEW NAME
▸MODIFY
▸MOVE      ▶
```

3. Press (⟲)

```
Move To:__
Auto:05
[STO]
```

4. Enter (1) (5) as a new address.

```
#15    Moved
90 EmPty
9 Used
```

To Change Priority of Dual Numbers

Example:

1. Recall the number.

   Primary Number → `123-456-7890`
   Secondary Number → `987-654-3210`
   `▼▲08        MENU►`

2. Press (••) and scroll to "**PRI.CHANGE**".

   `        MENU`
   `MODIFY`
   `MOVE`
   `PRI.CHANGE  ►`

3. Press (••).
   The display shows the status after change.

4. Press (••) to decide it.

Note: *The primary number will be dialed when you use Speed Dialing and Quick Dialing features.*

To Erase Numbers and Names

This feature erases the number already stored in the Phonebook.

Example: To erase the number 9 8 7 6 5 4 3 2 1 0 1 2 3 stored in the memory address 16.

1. Recall the number stored in the memory address 16.

   `        9-87`
   `6-543-210123`
   `▼▲16      MENU►`

2. Press (••) and scroll to "**ERASE**".

   `        MENU`
   `MODIFY`
   `MOVE`
   `ERASE    ►`

3. Press (••) (••).
   The number is shown again.

   `        9-87`
   `6-543-210123`
   `16`

4. Two seconds later the screen is changed.

   `ADDRESS`
   `ERASE`
   `YES`
   `NO    ►`

5. To erase the number scroll to "**YES**", otherwise "**NO**", and Press (••).

To Store a Secret Number

This feature permits you to store a phone number that you want to keep secret in your phonebook. The secret number can be accessed only by entering the **security code** (see page 53).

Example: To store the phone number 1 2 3 4 5 6 7 8 9 0 in address 30 as a secret number.

1. Press (CLR).

2. Enter (1) (2ABC) (3DEF) (4GHI) (5JKL) (6MNO) (7PQRS) (8TUV) (9WXYZ) (0OPER).

   `123-456-7890`
   `[STO]     MENU►`

3. Press (STO) (STO).

   `Address:__`
   `      Auto:10`
   `[STO]  OPTION►`

4. Press (••) and scroll to "**SECRET**".

   `        OPTION`
   `RING TYPE`
   `SECRET   ►`

5. Press (••)

   `SET SECRET`
   ` 23-456-7890`
   `[STO]     SET►`

6. Press (••) to put a mark "**∨**" on the number to be secret.

   `SET SECRET`
   `∨23-456-7890`
   `[STO]     SET►`

7. Press (STO).

   `Address:__`
   `      Auto:10`
   `[STO]  OPTION►`

8. Enter (3DEF) (0OPER) and press (•) (••) to store it.

   `#30    Stored`
   `80 Empty`
   `19 Used`

To Recall a Secret Number

   number.

   `▼▲30    CODE►`

2. Press (⌐)

```
SECURITY
CODE:
                    OK▶
```
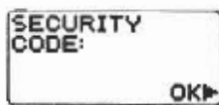
3. Enter the four-digit security code and press (⌐).

```
123-456-7890
▼▲30        MENU▶
```
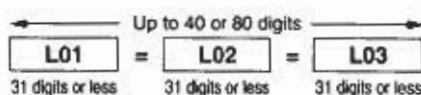
Link Dialing

This feature permits you to link groups of numbers to be sent in sequence. The linked numbers can be stored in memory. When dialed, the first group of numbers will be sent in digital signaling, and the rest of the numbers will be sent in Touch Tone™ group by group each time you press ⌐.

To Store Linked Numbers in Phonebook

Linked Numbers can be stored using any of the procedures described under memory operations (at a specific address, with a Name Tag, at the next vacant memory location or as secret). The only difference is, that a Link Mark " = " must be entered between the linked numbers. The link mark is entered using the key sequence (⌐) (⌐).

You can store Linked Numbers with Link Marks " = " up to 40 digits for the address 01 to 90, and up to 80 digits for the address 91 to 99 in the phonebook.
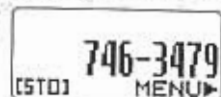
```
◄——— Up to 40 or 80 digits ———►
┌──────┐   ┌──────┐   ┌──────┐
│ L01  │ = │ L02  │ = │ L03  │
└──────┘   └──────┘   └──────┘
31 digits or less  31 digits or less  31 digits or less
```

The example on the next page shows how to store a Linked number at a specific memory address.

1. Enter the first number.
2. Press (⌐) (⌐). A link mark " = " will be added at the end of the number.
3. Enter the second number. If you wish to link additional number(s), return to 2.
4. Press (STO) (STO), then enter the memory address (01 ~ 99).

Example: To link 3 numbers and store in Address 35

1. Enter (7 PQRS) (4 GHI) (6 MNO) (3 DEF) (4 GHI) (7 PQRS) (9 WXYZ).

```
746-3479
[STO]       MENU▶
```

2. Press(⌐)

```
            MENU
►LINK MARK    ►
 DUAL MARK
 HYPHEN
```

3. Press ⌐

```
746-3479=
L01         MENU▶
```

4. Enter (1) (2 ABC) (3 DEF)

```
123
L02         MENU▶
```

5. Press ⌐

```
            MENU
►LINK MARK    ►
 DUAL MARK
 HYPHEN
```

6. Press (⌐).

```
123=
L02         MENU▶
```

7. Enter (1) (2 ABC) (3 DEF) (4 GHI) (5 JKL) (6 MNO) (7 PQRS) (8 TUV) (9 WXYZ) (0 OPER).

```
1234567890
L03         MENU▶
```

8. Press (STO) (STO) (3 DEF) (5 JKL) (·) (⌐).

```
#35     Stored
        90 Empty
        9 Used
```
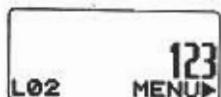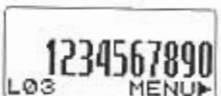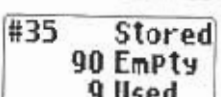
Note: While entering a linked number, you may review all the parts of that number, even those already entered.

Press (⌐), scroll to "VIEW TEL#" and press (⌐). The linked numbers you have just entered will be displayed one by one each time you press (⌐).

To Place Calls using Linked Numbers

1. Press (•Rd), and select the linked number you want to call. (See Phonebook Recall on page 31.)
2. Press ⌐. Then the IN USE indicator will light as the first number is dialed.
3. Press ⌐. The second linked number will be sent in Touch Tone™ signals. Succeeding numbers can be sent sequentially by pressing ⌐ again.

Voice Activated Dialing (VAD)

With this feature, you can make a call from your phonebook by just saying the name. You can register, in your own voice, names for up to 20 numbers in your phonebook.

Voice Registration

> **Example:** Store the telephone number 1 2 3 4 5 6 7 8 9 0, and register the name "Katie".

1. Enter the telephone number (1 2 3 4 5 6 7 8 9 0).
2. Press (STO) (STO) (STO) .

   ```
   VOICE DATA
   ENTRY
   ┌YES       ▶
   └NO
   ```

3. Press (▶) .

   ```
   Voice Dial
   Data Entry
   ```

4. After you hear the voice prompt, **"Name, please"**, speak "Katie" into the microphone of the handset. You will hear back "Katie" repeated from the handset.
5. After you hear the voice prompt, **"Again"**, repeat the name "Katie". You will hear "Katie" repeated from the handset again.
6. If the registration is successful, you will hear the prompt **"Entry Completed"**.
7. Your voice registration status is displayed.

   ```
   Voice Data
   19 Empty
   1 Used
   ```

8. And your phonebook status is displayed.

   ```
   #25    Stored
   89 Empty
   10 Used
   ```

Notes: 1. *Please register names with your normal tone of voice, and in a quiet environment.*
2. *For better recognition, it is recommended that very similar sounding names should not be registered.*
3. *The maximum length of names that the phone will accept is 2 seconds.*
4. *The same person's voice that was used to record the names must be used for dialing, otherwise the VAD feature may not work properly.*

Reviewing the Registered Name

1. Press (◄Rd) , and recall the number from the phonebook.

   ```
   123-456-7890
   ▼▲25V   MENU▶
   ```

2. Press (▶) and scroll to **"REPLAY"**.
3. Place the phone near your ear, and press (▶)
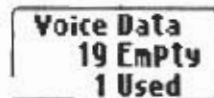4. You will hear the registered name.

Note: Addresses with voice are marked with "V".

Voice Activated Dialing

> **Example:** Dial the number by speaking "Katie".

1. Press and hold (※/VAD) .
2. Listen to the phone say **"Name, please"**, then speak into the microphone "Katie".
3. You will hear from the phone, **"Calling Katie"**.
4. Katie's number in the phonebook will be automatically dialed.
5. In case you wish to cancel the call, please say "No" within 2 seconds after you hear **"Calling Katie"**. You can start from the above step 2.

Notes: 1. *If you hear "Again" from the handset, please repeat the name.*
2. *If you hear "Did you say 'Katie'?", please answer to it "Yes" or "No".*
3. *When you use this feature through car kit option, it is recommended that you speak slightly louder for better recognition.*

To Register a Name to a Number Stored in Memory

1. Press (◄Rd) , and recall the number from the phonebook.
2. Press (▶) , scroll to **"MODIFY"** and press (▶) again.
3. Press (STO) (STO) (STO) .
4. Two seconds later, press (▶) .
5. You will have the screen **"VOICE DATA ENTRY"**.
6. Press (▶) and go to the step 4 of Voice Registration on page 40.

Note: In case dual numbers or linked numbers are
stored in the phonebook, the primary number or
the first number can be dialed using VAD.

To Delete the Registered Name

1. Press (←Rd) , and recall the number from the
   phonebook.
2. Press (↦) , scroll to "ERASE" and press (↦)
   again.
3. Scroll to "VOICE DATA" and press (↦) .
4. You will have the screen "VOICE DATA ERASE".
   Scroll to "YES" and press (↦) .

Call History

This feature recalls outgoing Call History and incoming
Caller ID numbers. This is convenient for redialing re-
cently called numbers or for returning missed calls by
using the stored Caller ID. (See **Caller ID with Name**
on page 20.)

Call History Memories

Memory	Description
OUTGOING	Last 10 numbers you dialed. Address 01 to 10.
INCOMING	Last 10 numbers you answered or missed. Address 01 to 10.
SCRATCHPAD	Last 3 numbers you wrote during calls. Address 01 to 03.

You can access the memory in two ways, Scroll and
Shortcut.

By Scrolling

1. Press (←Rd) and scroll to
   "HISTORY".

   ```
            RECALL
   ADDRESS :__
   SEARCH  :__
   HISTORY      ▶
   ```

2. Press (↦) and scroll to
   the menu item you want.
3. Press (↦) to select.

   ```
           HISTORY
   OUTGOING     ▶
   INCOMING
   SCRATCHPAD
   ```

4. To review the numbers in
   memory, scroll with ( ) or ( ) .
5. After a number is displayed, it can be easily di-
   aled, by simply pressing (☎) .

Shortcut:

- Press (←Rd) (✳/vad) to display the latest number in the
  outgoing history memory.
- Press (←Rd) (#/ww) to display the latest number in the
  incoming history memory.

To Review Outgoing Call History

Example: To recall a number from Outgoing History.

1. Press (←Rd) (✳/vad) .
   The most recent call is dis-
   played.

   ```
   123-456-7890
   ▼▲01    MENU▶
   ```

2. Scroll with ( ) or ( ) to
   review other numbers.
3. You can place a call by simply pressing (☎)

When duplicate numbers are called, only the latest call
is stored in the outgoing call history memory.

To Review Incoming Call History

Example: To recall a received Caller ID from
Memory Stack.

1. Press (←Rd) (#/ww) .
   The most recent call is dis-
   played.

   ```
   123-456-7890
   ▼▲01◆   MENU▶
   ```

2. Press ( ) . A time stamp
   is shown, if available.

   ```
   987-654-3210
   APr 14 20:15
   ▼▲02◇   MENU▶
   ```

3. Press ( ) .
   A name is shown, if avail-
   able in your phonebook.

   ```
   JILL
   APr 12 10:30
   ▼▲03◆   MENU▶
   ```

4. You can place a call by simply pressing (☎)

In the incoming call history, the calls are marked with " ◆ "
or " ◇ ". Numbers with " ◆ " represent calls you missed,
and numbers with " ◇ " represent calls that you answered.
When duplicate numbers are received, only the latest
call is stored in the incoming call history memory.

To Review Scratch Pad

Example:

1. Press

    `123-456-7890`
    `▼▲01     MENU▶`

2. Scroll with ⊙ or ⊙ to review other numbers.

3. You can place a call by simply pressing ⌒ .

To Save a Number to Phonebook

The numbers of Call History and Scratch Pad Memory can be stored in your phonebook. You can add a name in the same way as "MODIFY". See **To Modify Numbers and Names** on page 34.

**Example:** To save a received Caller ID to Phonebook.

1. Recall a number.

    `123-456-7890`
    `▼▲01◆   MENU▶`

2. Press (⊶) and scroll to "SAVE".

    `          MENU`
    `▶VIEW TEL#`
    `▶VIEW NAME`
    `▶SAVE       ▶`

3. Press (⊶)

    `123-456-7890`
    `[STD]   MENU▶`

4. Press (STO) (STO) .

    `Address:__`
    `     Auto:25`
    `[STD]  OPTION▶`

5. Enter (4ᴳᴴᴵ) (0ᴼᴾᴱᴿ) as an address, and press ⊙ (⊶) .

    `#40    Stored`
    `84 Empty`
    `15 Used`

WEB BROWSING

When operating in the Digital mode, you can access various internet websites directly from your cellular phone. Please contact your Service Provider for details of the available services. See page 72 for the set-up instructions.

Web Access

1. Press and hold (#/⌐) . The Web Browser will start. The cached information may be displayed.

2. Press and hold (CLR), your phone will access the network, and display your service provider's website.

    Example:

    `XXXXXXXXXX`
    `1▶YYYYYYYY`
    `Back  ↓    OK`
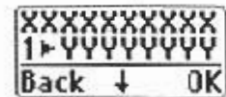
3. Press ⊙ or ⊙ to scroll the menu or displayed text.

4. Press (⊶) or (⊶) to select the menu option in the bottom line of the display.

5. To return to the previous page, press (CLR) .

6. To terminate the network access, press ⌐⁰ . You can still browse the cached information.

7. Press ⌐⁰ again to close the web browser.

Browser Menu

Press ⊠ key while the browser is active to see the browser's local menu.

1. **Help:** To get help information.

    `Browser Menu`
    `1▶Help`
    `Back  ↓    OK`

2. **Home:** To get back to the Home page. Press and hold (CLR) will do the same.

3. **Mark Site:** To store the current page in your bookmark list.

4. **GoTo URL:** To input URL (Uniform Resource Locator), and access that page.

5. **Show URL:** To display the URL of the current page.

6. **Reset UP:** To clear the cache memory in your browser.

7. **About UP:** To display the version of your browser.

browser by

RSA SECURE

[P]
phone.com

Alpha Entry in Browser Mode

"**Alpha**" mode will automatically be active when it is necessary to enter alphabet character such as URL.

Example:

```
Enter URL:
abc▨
alpha        OK
```

ALPHA/alpha — Alphabet Mode

Press (V+) to switch upper and lower cases.
Press ( ) to move the cursor to left, and (   ) to right.
To exit the Alphabet Mode, press ( ) .

SYM — Symbol Mode

By pressing (   ), "**SYM1**" (symbol) mode will be active. Scroll "**SYM1**" to "**SYM6**" by (   ) or (   ), and press the corresponding digit key ((1) to (6mno)) to select.

NUM — Numeric Mode

Press (   ) (   ) to set "**NUM**" (numeric) mode. Press (   ) again to reset to "**Alpha**" mode.

Alphabet Mode

Key	1 press	2 press	3 press	4 press	5 press
1	Blank	1	@	/	:
2 ABC	A / a	B / b	C / c	2	
3 DEF	D / d	E / e	F / f	3	
4 GHI	G / g	H / h	I / i	4	
5 JKL	J / j	K / k	L / l	5	
6 MNO	M / m	N / n	O / o	6	
7 PQRS	P / p	Q / q	R / r	S / s	7
8 TUV	T / t	U / u	V / v	8	
9 WXYZ	W / w	X / x	Y / y	Z / z	9
0 OPER	0	.	,	?	!

(×/...)	*	@	-	_	/	$	%	(	)	+
(#/...)	#	-	,	?	!	'	"	;	:	

Symbol Mode

	1	2	3	4	5	6
SYM1	.	!	?	,	`	'
SYM2	'	(	)	@	#	:
SYM3	/	$	&	%	+	'
SYM4	.	<	>	=				
SYM5	_	[	]	~		^
SYM6			\				

MESSAGING FEATURES

Your CDM-4500 Audiovox Cellular Telephone has been engineered to operate with the latest technology that will allow you to enjoy the benefit of Voice Mail Notification and Text Messages. Please note that operation of these features depends on the Cellular System and therefore may not be available in all areas.

Message Indicator

A message indicator ☑ shows you the current status as explained below.

☑ Flashing	You have new Text Messages or new Voice Mail Notification.
☑ Steady	You have Text Messages or Voice Mail Notification, which you have seen already.
☑ off	Neither Text Message nor Voice Mail Notification.

In addition to the ☑ indicator, whenever your Voice Mail contains unreviewed messages, you will occasionally hear a short beep as a reminder.

Voice Mail

Voice Mail Notification

Your cellular telephone notifies you when new messages are in your Voice Mail. When messages are left in your Voice Mail, the ☑ indicator at the upper right of the display flashes to alert you.

Normal Voice Mail Notification

When your phone is notified by the cellular system that there are messages in your Voice Mail, the following occurs.

1. The phone sounds a short beep tone.
2. The ☑ indicator at the upper right of the display flashes to alert you.

   The display indicates "**NEW MESSAGE**" with animation.

   ```
   Tull          ☑(▥)
   NEW MESSAGE
   ▢|▭━
   ```

3. The Phone's Memory Stack is updated as to the number of unreviewed messages in your Voice Mail.

## Voice Mail Notification with Mail Retrieval Service (MRS)

1. The phone sounds a short beep tone.

```
Message
      Retrieval
```

2. Press ⌒ to answer the incoming call, your phone will be connected to your Voice Message Service so that you may retrieve your messages.

3. If you choose not to answer the incoming call, "**Message Retrieval**" will be stored in the stack for retrieval of your messages at a later time.

To Display the Number of Voice Mail Messages

Example:

1. Press ✉ . A mark " * " is flashing, when a new message is available.

```
         MESSAGE
*VOICE       ►
 TEXT
 10/30 USED
```

2. Press (F•) to select "**VOICE**". The number of messages in your Voice Mail will be displayed.

```
*Voice Mail*
12 Waiting
         VIEW►
```

3. If a Text Message is attached to the Voice Mail Notification, the Text Message can be reviewed by (F•) . Otherwise this step is skipped.

4. Press (F•) . Scroll to "**QUIT**" or "**ERASE**" the notification you reviewed.

```
            MENU
 QUIT       ►
 ERASE
```

5. Press (F•) .

6. To erase the Voice Mail Notification, scroll to "**YES**", otherwise "**NO**", and press (F•)

```
┌ ─ ─ ─ ┐
            ►
 NO
```
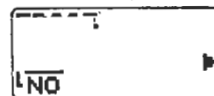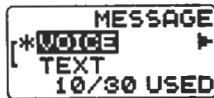
Voice Mail Dialing

You can store one set of linked numbers in a specially provided memory, and access these numbers with one touch of the "Voice Mail Access" key (V+) .

To Store the Voice Mail Access Number

Please see **To Store Linked Numbers in Phonebook** on page 38, and follow the steps 1 ~ 3 to make a set of linked numbers. Press (STO) (STO) (V+) (.) (F•) to store. Up to 80 digits of linked numbers can be stored including link mark " = ". You can also add a Name Tag (up to 20 to 24 characters) with your voice mail number. (See **To Store a Name with Phone Number** on page 27.)

To Call Your Voice Mail

1. Press and hold (V+) . The first number will be displayed and dialed.

2. Press (V+) . The second number will be displayed and sent in Touch Tone™ signal.

3. The succeeding numbers can be sent sequentially by pressing (V+) .

To Review the Voice Mail Access Number

1. Press (•Rd) to select the Phonebook Address Mode.

2. Press (V+) . The first linked number in (V+) will be displayed.

3. Press (F•) (one or more times) to display the remaining linked numbers in (V+) .

Text Messages (Short Message Service)

Your phone is able to receive and display Text Messages of up to 255 characters long. The Text Message memory stack can store up to 30 messages. When an SMS message is received, the following occurs.

1. A short beep tone sounds.

2. The ✉ indicator at the upper right of the display flashes to alert you. The display indicates "**NEW MESSAGE**" with animation.

```
Y.ill       ✉▥
 NEW MESSAGE
```

3. The Text Message just received is stored in the Memory Stack. To review stored messages, see **To Review a Text Message** on page 50.

4. If the Memory Stack is full, any new Text Messages will not be stored, and you will have the display:

```
MEMORY FULL!
  New Text
     Rejected
```

To Review a Text Message

Text messages are stored in the address 01 to 30 in the memory stack. The address 01 has the last message. Every message moves to the next address when a new message is stored.

Example: To display a Text Message stored in the Memory Stack.

1. Press (✉) and scroll to "TEXT". You have now 10 Text Messages out of 30 memories. A mark " * " is flashing, when a new message is available.

```
         MESSAGE
  VOICE
*TEXT       ▶
   10/30 USED
```

2. Press (⏩). The first Text Message is displayed. A longer message will be automatically scrolled every 6 seconds.

```
  *Text*
Call Office!
▼▲01◆   VIEW▶
```

3. Press (⏩) or wait for 6 seconds to review an optional information.

```
*Time StamP*
May 12 13:45
```

4. Press (⏩) or wait for 6 seconds. If a Callback Number is displayed, you can dial it by simply pressing (📞)

```
*Call Back#*
123-456-7890
▼▲01◆   MENU▶
```

5. Press (⏩) and scroll "QUIT" or "ERASE" for the message that you just reviewed.

```
         MENU
QUIT        ▶
ERASE
```

6. Press (⏩) to select.

```
ERASE
YES         ▶
NO
```

7. To erase the Text Message, scroll to "YES", otherwise "NO", and press (⏩).

8. To review another message, scroll with (�) or (⏝).

Notes: New Text Messages are marked with " ◆ ". Text Messages you have already reviewed are marked with " ◇ ".

To Access Function Menu

Various phone settings can be changed through Function Menu to customize your phone's functions to fit your convenience. See **Function Menu Tree** in the following page. You can reach the Function you want to access in two ways; Scroll and Shortcut.

By Scrolling

1. Press (⏩) to enter Main Menu.

```
          F1_
1:LOCK      ▶
2:DISPLAY
3:TONES
```

2. Scroll with (⏝) or (⏝) key to the desired item in the Main Menu.

```
          F3_
1:LOCK
2:DISPLAY
3:TONES     ▶
```

3. Press (⏩) to enter the submenu.

```
          F31
1:RING VOL  ▶
2:RING TYPE
3:KEY VOL.
```

4. Scroll with (⏝) or (⏝) key to the desired item in the submenu.

```
          F32
1:RING VOL.
2:RING TYPE ▶
3:KEY VOL.
```

5. Press (⏩) to enter the function.

By Shortcut

Each Function has its shortcut number for direct access. For example, to enter the function "RING TYPE" (F32), press (⏩) (3DEF) (2ABC).

To Exit from Function Menu

- To return from a submenu to the main menu, press (⏪).
- To exit from Function Menu, press (📞).

Notes: 1. A mark " ▶ " at the right in a menu prompt you that you can see its detailed items by pressing (⏩).
2. A mark " V " shows the current setting of the function.

Function Menu Tree

Main Menu	Submenu	Branch

```
┌ 1: LOCK ────┬─ 1: KEY LOCK    (F11)
│             ├─ 2: LOCK        (F12)
│             ├─ 3: AUTO LOCK   (F13)
│             └─ 4: LOCK CODE   (F14)
│
├ 2: DISPLAY ─┬─ 1: MY NUMBER   (F21)
│             ├─ 2: BACKLIGHT   (F22) ─┬─ 1: STANDBY
│             ├─ 3: HYPHEN      (F23) ─┴─ 2: IN-USE
│             ├─ 4: SMS LINES   (F24)
│             ├─ 5: CONTRAST    (F25)
│             ├─ 6: VERSION     (F26)
│             ├─ 7: LAST SID    (F27)
│             └─ 8: PRL ID      (F28)
│
├ 3: TONES ───┬─ 1: RING VOL.   (F31) ─┬─ 1: KEY TONE
│             ├─ 2: RING TYPE   (F32) ─┼─ 2: BEEP ALT.
│             ├─ 3: KEY VOL.    (F33) ─┼─ 3: VOICEMAIL
│             ├─ 4: MUTE        (F34) ─┼─ 4: TEXT MSG.
│             ├─ 5: DTMF SEND   (F35) ─┼─ 5: CALLER ID
│             └─ 6: SETTINGS    (F36) ─┼─ 6: SERVICE
│                                      ├─ 7: PRIVACY
│                                      ├─ 8: MINUTE
│                                      └─ 9: LOW BATT.
│
├ 4: TIMES ───┬─ 1: TIMERS      (F41) ─┬─ 1: LAST CALL
│             └─ 2: CLOCK       (F42) ─┼─ 2: OUTGOING
│                                      ├─ 3: ALL CALLS
│                                      └─ 4: LIFETIME
│
├ 5: SYSTEM ──┬─ 1: A/B SW.     (F51) ─┬─ 1: NAM NAME
│             ├─ 2: NAM CHG.    (F52) ─┼─ 2: AUTO NAM
│             ├─ 3: ANALOG      (F53) ─┼─ 3: RETRY
│             └─ 4: SETTINGS    (F54) ─┼─ 4: PRIVACY
│                                      ├─ 5: AUTO PIN
│                                      └─ 6: PIN CODE
│
├ 6: SECURITY ┬─ 1: RESTRICT    (F61)
│             ├─ 2: EMER. #     (F62)
│             ├─ 3: [1] EMER.   (F63)
│             ├─ 4: SEC. CODE   (F64)
│             └─ 5: RESET       (F65) ─┬─ 1: TIMERS
│                                      ├─ 2: PHONEBOOK
│                                      ├─ 3: HISTORY
│                                      ├─ 4: TXT/VOICE
│                                      └─ 5: SETTINGS
│
├ 7: DATA/FAX ┬─ 1: MODE        (F71)
│             ├─ 2: WEB SETUP   (F72) ─┬─ 1: LOCK
│             └─ 3: BROWSER     (F73) ─┼─ 2: BACKLIGHT
│                                      ├─ 3: IDLE TIMER
│                                      ├─ 4: IP ADDR.1
│                                      ├─ 5: IP ADDR.2
├ 8: VIBRATOR                          ├─ 6: USER NAME
│                                      └─ 7: PASSWORD
│
└ 0: OTHER ───┬─ 1: QUICK DIAL  (F01)
              ├─ 2: AUTO ANS.   (F02)
              ├─ 3: ABSENCE     (F03)
              └─ 4: ABS. TIMER  (F04)
```

Lock Features

Security Code and Unlock Code

Your phone is equipped with the Security Code and the Unlock Code to access various security features. You may change the preset codes for added protection.

Code	Preset	Description
Security Code	1234	To access Secret Number, to set Call Restriction, etc.
Unlock Code	1234	To unlock the Phone

See **To Change the Security Code (F64)** on page 69
See **To Change the Unlock Code (F14)** on page 54.

Keypad Lock (F11)

This mode is useful for preventing inadvertent pressing of keys. (For example, when the phone is in a purse or pocket.)
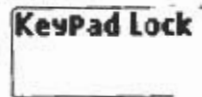
With this feature on, the following functions are still available.

- Incoming calls can be answered with (☎).
- Programmed emergency numbers can be called. (Except for **OneTouch Emergency Call**.)

When this feature is on, the following functions are not available.

- Automatic Answering
- Any Key Answering
- OneTouch Emergency Call
- Quick Dialing
- Turning off the phone by (☎).

To Activate/Deactivate this Feature:

1. Press (☍) (1) (1) to activate "Keypad Lock" mode.

   KeyPad Lock

2. Press (☍) (1) (1) again to deactivate.

Phone Lock (F12)
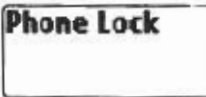
This mode is useful to prevent unauthorized use of the phone. With this feature on, the following functions are still available.

- Incoming calls can be answered with ⌣.
- Any Key Answering
- Programmed Emergency Call
- OneTouch Emergency Call
- Turning off the phone by ⌐⌐◉.

The following functions are not available when this feature is on.
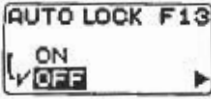
- Automatic Answering
- Quick Dialing

To Activate:

1. Press (F) (1) (2ᴬᴮᶜ) to activate "**Phone Lock**" mode.

   Phone Lock

Note: The phone will remain locked even if the power is turned off.

Automatic Phone Lock (F13)
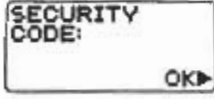
If you activate this feature, the phone will automatically go into the phone lock condition after it is turned off. (See **Phone Lock (F12)** above.) When you turn the phone on, you must enter the four-digit unlock code before it operates. (See **To Unlock the Phone** below.)

1. Press (F) (1) (3ᴰᴱᶠ).

   AUTO LOCK F13
   ⌐ ON
   ∨ OFF ▶
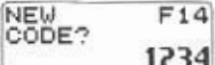
2. You can turn this feature on/off by ⌃ or ⌄ .
3. Press (F) to set.

To Unlock the Phone

1. Enter the four-digit unlock code.
2. The "**Phone Lock**" indicator will go out.

To Change the Unlock Code (F14)

1. Press (F) (1) (4ᴳᴴᴵ).

   SECURITY
   CODE:

   OK▶

2. Enter the four-digit security code and press (F)

3. The current unlock code will be displayed.

   NEW   F14
   CODE?
               1234
               SET▶

4. Enter a new four-digit unlock code and press (F)

Display Features

Own Telephone Number Display (F21)

This feature enables you to display your own telephone number and the ID number (SID) of your "Home" Cellular System.

Press (F) (2ᴬᴮᶜ) (1) .

   MY PHONE   F21
   NUMBER
   (SIDH)   00020
   123-456-7890

Backlight Control (Standby) (F22-1)

The LCD display and keypad are backlighted automatically after Power-On.

The backlighting duration can be changed. Four modes are available.

1. Press (F) (2ᴬᴮᶜ) (2ᴬᴮᶜ) .

   BACKLIGHT F22
   CONTROL
   ⌐1:STANDBY ▶
   ∟2:IN-USE

2. Press (F) .

   BACKLIGHT F22
   STANDBY
   ∨10SEC ▶
   ⌐ OFF

3. You can change the current mode by ⌃ or ⌄ .
4. Press (F) to set.

• 10SEC – 10 Seconds Mode

Backlight is on for 10 seconds after a key is pressed. It also lights automatically when the power is turned on and for an incoming call. The duration is variable between 5 to 30 seconds, by pressing (F) .

• OFF – Off Mode

Backlight is on momentarily when the power is first turned on, but remains off thereafter.

• ALWAYS ON – Always On Mode

Backlight is always on.

*Note: You can keep the backlight on while you are engaged in a conversation. See **Backlight Control (In-Use) (F22-2)** on page 56.*

Backlight Control (In-Use) (F22-2)

For ease of operation, you may select to have the back-light always on while you are engaged in a conversation. When this feature is set to the "**ALWAYS ON**" mode, the backlight is turned on as long as the call is connected.

1. Press (**F**) (2ABC) (2ABC), and scroll to "**IN-USE**".

```
BACKLIGHT F22
CONTROL
┌1:STANDBY
└2:IN-USE      ►
```

2. Press (**F**)

```
BACKLIGHT F22
IN-USE
┌✓NORMAL       ►
└ ALWAYS ON
```

3. Scroll with (▲) or (▼) to "NORMAL" or "AL-WAYS ON".
4. Press (**F**) to set.

Auto Hyphenation (F23)

See **Auto Hyphenation** on page 24.

1. Press (**F**) (2ABC) (3DEF).

```
AUTO      F23
HYPHEN
┌✓ON           ►
└ OFF
```

2. Scroll with (▲) or (▼) to "ON" or "OFF".
3. Press (**F**) to set.

SMS Text Lines Selection (F24)

You can select to have Text Messages displayed in either 3 or 4 lines.

1. Press (**F**) (2ABC) (4GHI).

```
SMS       F24
TEXT LINES
┌✓3LINES       ►
└ 4LINES
```

2. Scroll with (▲) or (▼) to "3LINES" or "4LINES".
3. Press (**F**) to set.

Contrast Control (F25)

The LCD display contrast can be adjusted in 7 steps for your best condition.

1. Press (**F**) (2ABC) (5JKL).

```
CONTRAST F25
CONTRAST
▼▲             ►
```

2. Adjust the contrast with (▲) or (▼)
3. Press (**F**) to set.

Software Version Review (F26)

This feature permits you to review the software version which is installed in your phone.

1. Press (**F**) (2ABC) (6MNO).

```
VERSION   F26
01.23
OK►
```

2. Press (**F**) to exit

Last Rescan SID Indicator (F27)

This menu item permits you to view the **System Identification number (SID)**, which your phone is currently using.

1. Press (**F**) (2ABC) (7PQRS).

```
LAST      F27
RESCAN
SID    00020
NID    00005
```

2. Press (**F**) to exit.

PRL ID Review (F28)

This menu item permits you to view the **Preferred Roaming List (PRL)** version that is programmed in your phone.

1. Press (**F**) (2ABC) (8TUV).

```
PRL ID    F28
12345
OK►
```

2. Press (**F**) to exit.

Volume and Tone Controls

Alert Tone Volume Control (F31)

1. Press (••) (3DEF) (1) .

RING VOLUME
...■■I■■

2. Keep pressing (▲) or (▼) until you get the desired sound level, or "silent" mode.

Note: In "silent" alert mode, alert tone is not given for an incoming call. However, if Automatic Answering feature is ON, alert tone is given with the lowest available volume.

Ring Type Selection (F32)

This feature permits you to select an alert tone pattern from 15 options including melody ringers.

1. Press (••) (3DEF) (2ABC) .

RING   F32
TYPE
✓RING#01 ►
RING#02
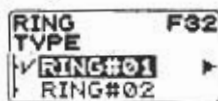
2. Press (▲) or (▼) to select the alert tone.
3. Press (••) to set.

Key Tone Volume Control (F33)

1. Press (••) (3DEF) (3DEF) .

KEY VOLUME
...■■I■■
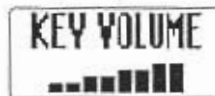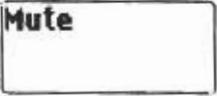
2. Keep pressing (▲) or (▼) until you achieve the desired sound level, or "silent" mode.

Note: Key tone will be off in "silent mode", but tone will be heard on the other side of the line.

To Mute a Phone Conversation (F34)

You can mute your conversation at any time during a call.

1. Press (••) (3DEF) (4GHI) .
2. Then the **"Mute"** indicator is displayed. The transmit audio will be muted but the receive audio will still be heard from the receiver.

Mute

3. To return to normal conversation, press (••) (3DEF) (4GHI) again.
4. Mute is reset when the call is terminated.

Sending DTMF (F35)

This feature allows you to activate or deactivate Sending DTMF (Touch Tone™) when you enter a number during a call.

1. Press (••) (3DEF) (5JKL) .
2. Scroll to "ON" or "OFF" to select.

DTMF SEND F35
✓ON   ►
OFF

3. Press (••) to set.

Setting Tones (F36)

This is a group of 9 functions related to the setting of tones.

1. Press (••) (3DEF) (6MNO) . The Branch Menu is displayed.

F36
1:KEY TONE ►
2:BEEP ALT.
3:VOICEMAIL

2. Refer to the particular functions for details.
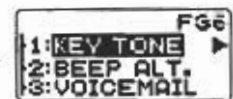
Key Tone Length (F36-1)

This feature selects the duration of the tone length when a key is pressed.

1. Press (••) (3DEF) (6MNO) and (1) .

KEY TONE F36
LENGTH
✓NORMAL   ►
SHORT

2. You can change the current mode by (▲) or (▼) .
3. Press (••) to set.

• **NORMAL** – *Normal Mode*

Tone is heard as long as the key is being pressed.

• **SHORT** – *Short Mode*

Tone is heard for a short time even if the key remains pressed.
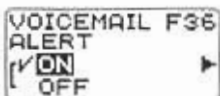
Single Alert Beep Tone (F36-2)

This feature is used to signal an incoming call with only a single beep. This feature can only be used with the "silent" alert mode. See **Alert Tone Volume Control (F31)** on page 58.

1. Press (⌐) (3DEF) (6MNO) and (2ABC).

   ```
   BEEP        F36
   ALERT
        ON
   ✓OFF        ▶
   ```

2. You can turn this feature on/off by (˙) or (˙)
3. Press (⌐) to set.
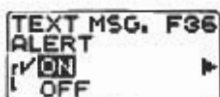
Voice Mail Alert (F36-3)

This feature audibly alerts you when a Voice Mail Notification is received. A Voice Mail Notification is received if your Voice Mail contains messages that have not been reviewed.

1. Press (⌐) (3DEF) (6MNO) and (3DEF).

   ```
   VOICEMAIL F36
   ALERT
   ✓ON
        OFF      ▶
   ```

2. You can turn this feature on/off by (˙) or (˙)
3. Press (⌐) to set.
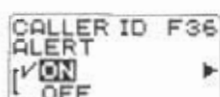
Text Message Alert (F36-4)

This feature audibly alerts you when a Text Message is received.

1. Press (⌐) (3DEF) (6MNO) and (4GHI).

   ```
   TEXT MSG. F36
   ALERT
   ✓ON
        OFF      ▶
   ```

2. You can turn this feature on/off by (˙) or (˙)
3. Press (⌐) to set.

Caller ID Alert (F36-5)

This feature audibly alerts you when a Caller ID is received.

1. Press (⌐) (3DEF) (6MNO) and (5JKL).

   ```
   CALLER ID F36
   ALERT
   ✓ON
        OFF      ▶
   ```

2. You can turn this feature on/off by (˙) or
3. Press (⌐) to set.

Service Mode Alert (F36-6)

With this feature on, an audible tone alerts you when the service mode changes from Digital to Analog, or vice versa.

1. Press (⌐) (3DEF) (6MNO) and (6MNO).

   ```
   SERVICE   F36
   ALERT
        ON
   ✓OFF        ▶
   ```

2. You can turn this feature on/off by (˙) or (˙)
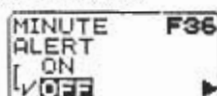3. Press (⌐) to set.

Voice Privacy Alert (F36-7)

This feature audibly alerts you when the voice privacy service is provided, and also when the service is canceled.

1. Press (⌐) (3DEF) (6MNO) and (7PQRS).

   ```
   PRIVACY   F36
   ALERT
        ON
   ✓OFF        ▶
   ```

2. You can turn this feature on/off by (˙) or (˙)
3. Press (⌐) to set.

One Minute Beep Tone (F36-8)

With this feature on, you will be notified during a call, once every minute by a short beep tone. In addition, two beep tones will sound every five minutes.

1. Press (⌐) (3DEF) (6MNO) and (8TUV).

   ```
   MINUTE    F36
   ALERT
        ON
   ✓OFF        ▶
   ```

2. You can turn this feature on/off by (˙) or (˙)
3. Press (⌐) to set.

Low Battery Alarm (F36-9)

When activated, this feature warns by an audible alarm when the battery level is low.

If the alarm is given, recharge the battery or replace it with a fully charged battery.

1. Press (⌐) (3DEF) (6MNO) and (9WXYZ).

   ```
   LOW BATT. F36
   ALARM
   ✓ON
        OFF      ▶
   ```

2. You can turn this feature on/off by (˙) or (˙) .
3. Press (⌐) to set.

Call Timers

To help you manage your calls, your phone is equipped with several Call Timers.

Last Call Timer (F41-1)

1. Press (ⁿ) (4 ᴳʰ) (1) .
   The talk time of the last call will be displayed.

   ```
   TIMERS    F41
              1M23S
   1:LAST CALL
   2:OUTGOING
   ```

2. Press (ⁿ) to exit.

Outgoing Call Timer (F41-2)

1. Press (ⁿ) (4 ᴳʰ) (1) and (2 ᴬᴮᶜ) . The cumulative talk time of all outgoing calls will be displayed.

   ```
   TIMERS    F41
           34M56S
   2:OUTGOING
   3:ALL CALLS
   ```

2. Press (ⁿ) to exit.

All Calls Timer (F41-3)

1. Press (ⁿ) (4 ᴳʰ) (1) and (3 ᴰᴱᶠ) . The cumulative talk time of all incoming and outgoing calls will be displayed.

   ```
   TIMERS    F41
           1H23M45S
   3:ALL CALLS
   4:LIFETIME
   ```

2. Press (ⁿ) to exit.

Note: The above three timers can be reset to zero by using "Call Timer Reset" feature. See page 70.

Lifetime Timer (F41-4)

1. Press (ⁿ) (4 ᴳʰ) (1) and (4 ᴳʰ) . The cumulative "lifetime" talk time of all incoming and outgoing calls will be displayed.

   ```
   TIMERS    F41
           12H34M56S
   4:LIFETIME
   1:LAST CALL
   ```

   This timer cannot be reset to zero.

2. Press (ⁿ) to exit.

Clock Indicator (F42)

When the phone is in an area with digital service (Digital Mode) with this feature enabled, the date and time are automatically displayed.

1. Press (ⁿ) (4 ᴳʰ) (2 ᴬᴮᶜ) .

   ```
   CLOCK     F42
   ✓ ON      ▶
     OFF
   ```

2. You can turn this feature on/off by (˙) or (ˎ) .
3. Press (ⁿ) to set.

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System Features

A/B System Selection (F51)

This feature permits you to select which Cellular system (A or B) your phone uses. When you turn the phone on, it remembers the last A/B setting and will scan the radio channels based on that setting.

Leave this setting as it has been preprogrammed unless you have a reason to alter the system selection.

To alter the system selection:

1. Press (ⁿ) (5 ᴶᴷᴸ) (1) .
   The current mode will be displayed.

   ```
   A/B       F51
   SWITCH
   ✓ AUTO ROAM ▶
     HOME
   ```

2. You can change the current mode by (˙) or (ˎ) .
3. Press (ⁿ) to set.

- **AUTO ROAM – Auto Roam Mode**

The phone will scan the priority systems first, and then non-priority systems. For more information as to how this mode works, see **Enhanced Roaming** below.

- **HOME – Home Only Mode**

You can place or receive calls only within your home area or home affiliated area.

- **A-ONLY – A-System Only Mode**

The phone will scan the A-system only and prevents switching over to the B-system.

- **B-ONLY – B-System Only Mode**

The phone will scan the B-system only.

Note: If your LCD displays "AUTO ROAM ONLY", your phone has been pre-programmed to operate in the Auto Roam Mode only.

Enhanced Roaming

Cellular systems are identified by a number called System Identifier or SID. Your phone is equipped with a **Preferred Roaming List (PRL)** which can be programmed by your Carrier to take advantage of the families of cellular system (SIDs) that your Carrier owns, or has special billing arrangements with, in different cities.

In your Home System Area, both "**No Service**" and "**Rm**" are off in your display. Outside of the Home System in Service Areas closely associated with your Carrier, the phone's display may appear the same as when operating in the Home System.

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In areas where your Carrier has Roaming agreements, your phone will display a steady "**Rm**" indication. If your display indicates a flashing "**Rm**", you are in a cellular system which is not associated with your Carrier (you can still make or receive calls).

If your display indicates "**(No Service)**", you may have to change your A/B System Selection or NAM Selection in order to obtain service. If your display indicates "**No Service**", you are in an area where there is no cellular service.

NAM Selection (F52)

Some Cellular users may find it beneficial to register their phones with multiple numbers, for different cities where they may frequently travel. To provide this ability, your phone has two NAMs (Number Assignment Modules) enabling up to two registrations.

If you have multiple registrations, the NAM Selection feature enables you to change the NAM being used by your phone. Do not use this feature, if you do not have multiple registrations.

To change NAMs:

1. Press (⊩) (5ᴊᴋʟ) (2ᴬᴮᶜ) .

   ```
   NAM        F52
   CHANGE
   ✓#1 4567890▶
    #2 6543210
   ```
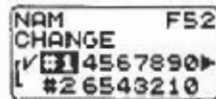
2. You can change the current NAM by (⌃) or ⌄ .
3. Press (⊩) to set.

Force Analog Call (F53)

This feature temporarily directs the phone to use the Analog Mode even if the Digital Mode has been previously selected.

1. Press (⊩) (5ᴊᴋʟ) (3ᴰᴱᶠ) .

   ```
   FORCE      F53
   ANALOG
   [YES
    NO       ▶
   ```

2. Press (⊩) when scanning the Analog Mode.

Notes: This feature automatically ends if:

   1) The phone is turned off.
   2) An outgoing call is made.
   3) An incoming call is received.
   4) After 10 minutes if items 1) – 3) did not occur.

System Settings (F54)

This is a group of several functions for settings related to the system.

1. Press (⊩) (5ᴊᴋʟ) (4ᴳᴴᴵ) .
   The Branch Menu is displayed.

   ```
              F54
   1:NAM NAME  ▶
   2:AUTO NAM
   3:RETRY
   ```
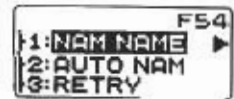
NAM Name Display (F54-1)

You can program a greeting or a name of a maximum 10 to 12 characters in the second line of your LCD display. This will be displayed when the phone is turned on or when you change the NAM. (See **NAM Selection (F52)** on page 64.) As you can program different name for each NAM, you can tell which NAM is currently active when you turn the phone on.

1. Press (⊩) (5ᴊᴋʟ) (4ᴳᴴᴵ) and (1) .

   ```
   NAM NAME   F54
   TAG
   #1 <NO NAME>▶
   #2 <NO NAME>
   ```
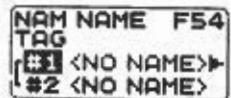
2. You can select other NAM by (⌃) or ⌄ .

   ```
   NAM NAME   F54

   [STD]     [U+]:X▶X]
   ```
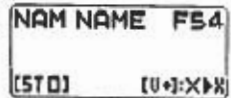
   Then press (⊩) to edit.
3. Enter your message.
   (See **Alpha Mode** on page 27.)
4. Press (STO) to store the message.

Automatic NAM (F54-2)

If you have multiple NAM registrations (see previous description), your phone will recognize NAMs for which you are registered. The phone will then automatically switch to the proper NAM for the area in which you are in.

1. Press (⊩) (5ᴊᴋʟ) (4ᴳᴴᴵ) and (2ᴬᴮᶜ) .

   ```
   AUTO       F54
   NAM
   [ .ON
   ✓OFF       ▶
   ```

2. You can turn this feature on/off by (⌃) or ⌄ .
3. Press (⊩) to set.

Automatic Retry (F54-3)

With this feature on, your telephone will automatically make up to seven call attempts when the first try is not successful.

The [IN USE] indicator will stay on, and the speaker will be muted. Press [⌒◦] to cancel the Automatic Retry.

1. Press (⊩) (5 JKL) (4 GHI) and [RETRY   F54 / ON / v OFF ▶]
   (3 DEF) .

2. You can turn this feature on/off by (⌃) or (⌄)

3. Press (⊩) to set.

Enhanced Voice Privacy Service (F54-4) (Digital Mode Only)

This feature requests the cellular system to provide the enhanced voice privacy service. This service can only be provided in the Digital Mode, and its availability depends on the cellular system and your service provider.

To Set the Enhanced Voice Privacy Mode:

1. Press (⊩) (5 JKL) (4 GHI) and [VOICE   F54 / PRIVACY / ENHANCED / v STANDARD ▶]
   (4 GHI) .

2. To request the cellular system to provide the enhanced voice privacy service, select "EN-HANCED" with (⌃) or (⌄) , and press (⊩) .

3. When the phone is operating in the Enhanced Voice Privacy Mode, "VP" appears in the upper line of the display during talking.

4. To request the cellular system not to use the enhanced voice privacy service, select "STANDARD" with (⌃) or (⌄) , and press (⊩) .

Notes: 1. This feature must be activated before the call is initiated.

2. Even if the standard mode is selected, the cellular system may direct the phone to use the Enhanced Voice Privacy Mode.

Anti Fraud Security Features

Your new Audiovox Cellular telephone has been engineered with the latest technology to help protect from the fraudulent use of your cellular telephone number. Your phone is equipped with Authentication and PIN (Personal Identification Number) Dialing. (Availability of these features depends on your Service Provider). Should your Service Provider require use of a PIN, your PIN can be sent manually or programmed into the phone for more convenient use.

To Place a Call with the Manual PIN Entry

1. Enter the number you are calling, or recall the number from a specific memory location.

2. Press [⌒] . Your call will be processed. Listen for a double beep, which will prompt you to send your PIN.

3. Enter your PIN number, and press [⌒] . Your call will then be placed.

To Place a Call with the Automatic PIN Feature

1. Enter the number you are calling, or recall the number from a specific memory location.

2. Press "SEND" key [⌒] . As your call is being processed, you will have the display: [Send PIN / Press / [SEND]Key]

3. Press "SEND" key [⌒] again. Your call will then be placed.

Note: Before you can use this feature, you must program your PIN and turn the Automatic PIN feature on. (See procedures below.)

To Place a Call to Voice Mail using the Automatic PIN Feature
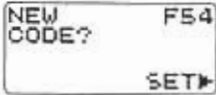
(See **Voice Mail Dialing** on page 48.)

1. Press (V+) for more than one second. As your call is being processed, you will have the display: [Send PIN / Press / [V+]Key]

2. Press (V+) again, your PIN will be sent.

3. Press (V+) again. The second number stored in (V+) will be sent in Touch Tone™ signals. The subsequent numbers, if any, can be sent sequentially by pressing (V+) .

To Turn the Automatic PIN Feature On/Off (F54-5)

1. Press (⊩) (5 JKL) (4 GHI) and [AUTO   F54 / PIN / ON / v OFF ▶]
   (5 JKL) .

2. You can turn this feature on/off by (⌃) or (⌄)

3. Press (⊩) to set.

To Program or Change your Automatic PIN (F54-6)
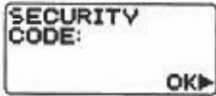
1. Press (⌐) (5 ᴶᴷᴸ) (4 ᴳᴴᴵ) and
   (6 ᴹᴺᴼ) .

   ```
   SECURITY
   CODE:

                    OK▶
   ```

2. Enter the four-digit secu-
   rity code and press (⌐) .

   ```
   NEW      F54
   CODE?

                    SET▶
   ```

3. Enter your new PIN Code. Press (⌐) to program

Security Features

Call Restriction (F61)

This feature permits you to impose various kinds of re-strictions on outgoing calls. Emergency numbers can be placed even when this feature is on.

To Set Call Restriction Mode

1. Press (⌐) (6 ᴹᴺᴼ) (1) .

   ```
   SECURITY
   CODE:

                    OK▶
   ```

2. Enter the four-digit secu-
   rity code and press (⌐) .

   ```
   RESTRICT  F61
   ✓OFF         ▶
   ┊ 11DIGITS
   ```

3. You can change the current Restriction mode by
   (˙) or (.) .

4. Press (⌐) to set.

The available Restriction modes are as follows:

- **11DIGITS – 11 Digits Mode**

Only phone numbers of 11 digits or less are accepted.
Operator assisted dialing is prohibited.

- **7DIGITS – 7 Digits Mode**

Only phone numbers of 7 digits or less are accepted.
Operator assisted dialing is prohibited.

- **OPERATOR – Operator Mode**

Operator assisted dialing (0 Origination Call) is prohibited.

- **RCL01-09 – Phonebook Address Mode**

Only outgoing calls to the numbers stored in the phonebook address range 01 – 09 can be made. If there is a need to expand this range of addresses please ask your dealer.

- **OFF – Off Mode**
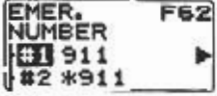
No restriction.

To Change Emergency Numbers (F62)

You can program your own emergency numbers. Up to 3 numbers of maximum 32 digits can be stored.
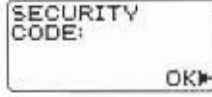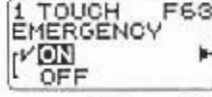
Memory Location	Preset Emergency Number
# 1	911
# 2	*911
# 3	Blank

Press ⌐) (6 ᴹᴺᴼ) (2 ᴬᴮᶜ)

   ```
   SECURITY
   CODE:

                    OK▶
   ```

2. Enter the four-digit secu-
   rity code and press (⌐) .

   ```
   EMER.       F62
   NUMBER
   #1 911       ▶
   #2 *911
   ```
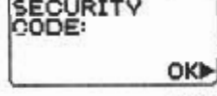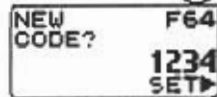
3. Press (˙) or (.) to select the emergency num-ber memory location (1, 2 or 3) that you want to change or program, and press (⌐) .

4. Enter the new emergency number, and press (⌐) .

Note: The emergency number in memory location 1 will be dialed when the OneTouch Emergency Call feature is used.

To Turn On/Off OneTouch Emergency Call Feature (F63)

1. Press (⌐) (6 ᴹᴺᴼ) (3 ᴰᴱᶠ) .

   ```
   SECURITY
   CODE:

                    OK▶
   ```

2. Enter the four-digit secu-
   rity code and press (⌐) .

   ```
   1 TOUCH    F63
   EMERGENCY
   ✓ON          ▶
    OFF
   ```

3. You can turn this feature on/off by (˙) or (.)

4. Press (⌐) to set.

To Change the Security Code (F64)

1. Press (⌐) (6 ᴹᴺᴼ) (4 ᴳᴴᴵ) .

   ```
   SECURITY
   CODE:

                    OK▶
   ```

2. Enter the four-digit security code and press (⌐)

3. The current security code is displayed.

   ```
   NEW       F64
   CODE?

                   1234
                   SET▶
   ```

4. Enter a new four-digit security code and press (⌐)

Reset Functions (F65)

This is a group of several functions for Function/Memory Reset.

1. Press (F•) (6MNO) (5JKL) .
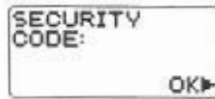
```
SECURITY
CODE:

          OK▶
```

2. Enter the four-digit security code and press (F•). Then the Branch Menu is displayed.

```
RESET      F65
1:TIMERS     ▶
2:PHONEBOOK
```
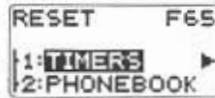
Call Timer Reset (F65-1)

This feature resets all the following three Call Timers; Last Call Timer, Outgoing Call Timer and All Calls Timer.

1. Press (F•) (6MNO) (5JKL) .
2. Enter the four-digit security code and press (F•) .
3. Press (1) .

```
RESET      F65
TIMERS
YES          ▶
NO
```

4. Press (F•) to reset the call timers.

Phonebook All Clear (F65-2)

This feature clears all of Phonebook locations (01 to 99) and the voice mail dialing memory (V+) .

1. Press (F•) (6MNO) (5JKL) .
2. Enter the four-digit security code and press (F•) .
3. Press (2ABC) .

```
RESET      F65
PHONEBOOK
YES          ▶
NO
```
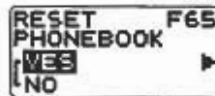
4. Press (F•) to clear the memory.

Call History All Clear (F65-3)

This feature clears all call history for outgoing and incoming calls including Caller ID.

1. Press (F•) (6MNO) (5JKL) .
2. Enter the four-digit security code and press (F•) .
3. Press (3DEF) .

```
RESET      F65
HISTORY
YES          ▶
NO
```

4. Press F• to clear the history.

Text Message & Voice Mail All Clear (F65-4)

This feature clears all Text Messages and the Voice Mail number.

1. Press (F•) (6MNO) (5JKL) .
2. Enter the four-digit security code and press (F•) .
3. Press (4GHI)
4. Press (F•) to clear the message.

```
RESET      F65
TXT/VOICE
YES          ▶
NO
```
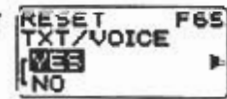
Function Reset (F65-5)

This feature permits you to reset the User-Programmable functions to their initial settings.

1. Press (F•) (6MNO) (5JKL) .
2. Enter the four-digit security code and press (F•) .
3. Press (5JKL) .
4. Press (F•) to reset.

```
RESET      F65
SETTINGS
YES          ▶
NO
```

Note: See Function Reset Status on page 74.

Data Communications

Data/Fax Mode (F71)

Your CDM-4500 will work as wireless modem, if connected to a PC with the optional data cable (DIC-4000). When operating in the Digital mode, the phone can be used for Async Data or Fax at the speed of up to 14.4kbps. Your CDM-4500 also supports QNC (Quick Network Connection) for faster internet access.

To Receive Data/Fax Call

1. Press (F•) (7PQRS) (1) .
2. Scroll the menu, and press (F•) to select one of the modes described below.

```
DATA/FAX F71
MODE
√OFF         ▶
 DATA
```

3. To exit the data/fax mode, press (F•) (7PQRS) (1) , and scroll to "OFF", then press (F•) .

DATA: Data mode until the power is turned off.
FAX: Fax mode until the power is turned off.
DATA ONCE: Data mode for one call only.
FAX ONCE: Fax mode for one call only.
Note: "DATA ONCE" or "FAX ONCE" mode will be automatically reset to "OFF" mode after receiving data/fax once, or in 10 minutes.

To Place Data/Fax Call or Access Internet

It is not necessary to set the phone in data/fax mode.

Note: Please refer to the separate instruction of the Data Cable kit for additional details.

Web Setup Features (F72)

Web Lock (F72-1)

You can lock the unauthorized access to the internet. If the browser is locked by this feature, you will need to enter your 4 digit Security Code to access the web. Press (F▸) (7PQRS) (2ABC) and (1) to set.

Web Backlight (F72-2)

You can turn on/off the backlight setting during the web access. Press (F▸) (7PQRS) (2ABC) and (2ABC) to set.

Web Idle Timer (F72-3)

The Web Idle Timer will automatically terminate the access when your phone is left untouched for the programmed time. Press (F▸) (7PQRS) (2ABC) and (3DEF) to set.

Web IP Address 1&2 (F72-4) (F72-5)

Example: To set an IP address 123.45.67.89, enter 123 045 067 089 in your phone.
1. Press (F▸) (7PQRS) (2ABC) and (4GHI).
2. Enter your 4 digit Security Code and press (F▸)
3. Enter (1) (2ABC) (3DEF), (0OPER) (4GHI) (5JKL), (0OPER) (6MNO) (7PQRS), (0OPER) (8TUV) (9WXYZ) and press (F▸).
4. Enter the port address, and press (F▸).

Web User Name (F72-6)

Press (F▸) (7PQRS) (2ABC) and (6MNO). You may program the User Name.

Web Password (F72-7)

Press (F▸) (7PQRS) (2ABC) and (7PQRS). You may program a password.

Web Browser (F73)

Press (F▸) (7PQRS) (3DEF) to start the Web Browser.

1. To turn the vibrator alert on, press (F▸) (8TUV), then scroll to "ON". Press (F▸) to select.

`VIBRATOR F8_`
`  ON`
`✓OFF ▸`

2. To turn the vibrator alert off, press (F▸) (8TUV), then scroll to "OFF". Press (F▸) to select.

Notes: 1. When the Vibrator Alert feature is on, the audible ringer/melody will be muted.
2. Be sure to turn the Vibrator Alert feature off when you use the phone in Car Kit option.

Other Functions

Quick Dialing (F01)

When this feature is on, the primary number in your phonebook address 02 to 09 can be dialed with just a single press of the key.

1. Press (F▸) (0OPER) (1).
2. Scroll to "ON" or "OFF" you want and press (F▸).

`QUICK F01`
`DIAL`
`✓ON ▸`
`  OFF`

Automatic Answering (F02)

With this feature on, incoming calls will be automatically answered after a preset duration of alert tones. This feature may be convenient when your telephone is installed in the handsfree car kit.

1. Press (F▸) (0OPER) (2ABC).
2. Scroll to "ON" and press (F▸).
3. Enter duration (5 to 30) in seconds.
4. Press (F▸) to set.

`AUTO F02`
`ANSWER`
`  ON`
`✓OFF ▸`

Note: This feature will not function if the phone is in "Phone Lock", or "Keypad Lock" mode.

Function Reset Status

The following functions will return to the initial settings after **Function Reset**.

Functions

Auto Hyphenation (F23)

Text Lines Selection (F24)

Contrast Control (F25)

Earpiece Volume Control

Alert Tone Volume Control (F31)

Ring Type Selection (F32)

Key Tone Volume Control (F33)

Sending DTMF (F35)

Clock Indicator (F42)

A/B System Selection (F51)

NAM Selection (F52)

Automatic NAM (F54-2)

Automatic Retry (F54-3)

Voice Privacy Service (F54-4)

Automatic PIN Mode (F54-5)

Call Restriction (F61)

OneTouch Emergency Call (F63)

Data/Fax Mode (F71)

Vibrator (F8)

Quick Dialing (F01)

Automatic Answering (F02)

*Call in Absence Indicator (F03)

*Safety Timer (F04)

* Affects Handsfree operation only.
Refer to Handsfree Car Kit (HF-4000) manual

INDEX

WARNING

When using your cellular telephone, please note that the following offenses are punishable by fine, imprisonment, or both:

- Using obscene, indecent, or profane language.
- Using the phone to give off false distress calls.
- Wiretapping or otherwise intercepting a telephone call, unless that person has first obtained the consent of the parties participating in the call.
- Making anonymous calls to annoy, harass, or molest other people.
- Charging to an account without authorization to avoid payment for service.
- Refusing to yield line when informed that it is needed for an emergency call (It is also unlawful to take over a line by stating falsely that it is needed for an emergency).

The CDM-4500 is using one or more of the following US patents licensed by QUALCOMM Incorporated:

4,901,307	5,309,474
5,056,109	5,103,459
5,101,501	5,099,204
5,109,390	5,107,225
5,228,054	5,283,536
5,257,283	5,280,472
5,265,119	5,337,338
5,267,261	5,339,046
5,267,262	5,341,456
5,289,527	

12 MONTH LIMITED WARRANTY

AUDIOVOX COMMUNICATIONS CORP. (the Company), warrants to the original retail purchaser of this Audiovox Handheld Portable Cellular Telephone, that should this product or any part thereof (except the items listed below), under normal use and conditions, be proven defective in material or workmanship within the first twelve (12) month period from the date of purchase, such defect(s) will be repaired or replaced (with new or rebuilt parts) at the Company's option, without charge for parts or labor directly related to the defect(s).

The keypad and display are similarly warranted for ninety (90) days from date of purchase.

The accessories consisting of the antenna and rechargeable battery pack, desktop charger are similarly warranted for twelve (12) months from original purchase.

This Warranty does not apply to batteries, fuses, or costs incurred for testing or checking, or to any product or part hereof which has suffered through alteration, serial number defacement, improper installation, excessive temperature or humidity, environmental conditions, mishandling, misuse, neglect or accident. This Warranty is not assignable or transferable.

To obtain repairs or replacement within the terms of this Warranty, the product should be delivered with proof of warranty coverage, specification of defect(s), transportation prepaid, to the Company at the address shown below. For TRAVELERS WARRANTY SERVICE.

Call toll free to (800) 229-1235 (in N.Y. State (516) 233-3410) for reference to an Authorized Warranty Station in your area.

THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

The Company disclaims liability for geographic coverage, inadequate signal to antenna, communications range or operation of the Cellular System as a whole.

ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 24 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER.

No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitation or exclusions may not apply to you. This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

IN U.S.A.:   AUDIOVOX COMMUNICATIONS CORP.
555 Wireless Blvd., Hauppauge, New York 11788
(516) 233-3300

IN CANADA: AUDIOVOX CANADA LTD.
405 Britannia Road East,
Mississauga, Ontario L4Z3E6
(905) 712-9299

Quick Reference

Basic Operation

Turn On/Off

Place a Call

Terminate a Call

Receive a Call

Clear Last Digit

Clear All Digits

Earpiece Volume

Messaging Features

Review Voice Mail Number

Review Text Messages ... then ... or for scroll

Functions

Function	Keys
Mute/Unmute	(Fn) (Fn)
Keypad Lock	(Fn) (1) (1)
Lock the Phone	(Fn) (1) (2ABC)
Automatic Lock	(Fn) (1) (3DEF)
Display Own Phone Number & SID	(Fn) (2ABC) (1)
Backlight Control	(Fn) (2ABC) (2ABC)
Last Call Time Display	(Fn) (4GHI) (1)
Outgoing Call Time Display	(Fn) (4GHI) (1) (2ABC)
All Calls Time Display	(Fn) (4GHI) (1) (3DEF)
Automatic Answering	(Fn) (0OPER) (2ABC)
A/B System Selection	(Fn) (5JKL) (1)
Force Analog Call	(Fn) (5JKL) (3DEF)
Async Data/FAX	(Fn) (7PQRS) (1)
Vibrator Alert	(Fn) (8TUV)

Functions

Function	Keys
Mute/Unmute	◯ ◯
Keypad Lock	◯ ① ①
Lock the Phone	◯ ① ②
Automatic Lock	◯ ① ③
Display Own Phone Number & SID	◯ ② ①
Backlight Control	◯ ② ②
Last Call Time Display	◯ ④ ①
Outgoing Call Time Display	◯ ④ ① ②
All Calls Time Display	◯ ④ ① ③
Automatic Answering	◯ ⓪ ②
A/B System Selection	◯ ⑤ ①
Force Analog Call	◯ ⑤ ③
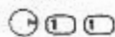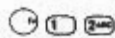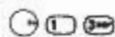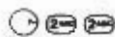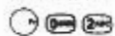
CDM-4500

DUAL MODE DIGITAL CDMA TELEPHONE ACCESSORIES

BTR-4500
Standard Lithium
Ion Battery

CLP-4000
Cigarette Lighter
Plug-In Charger

CNR-4000
AC Adapter

DTH-4000
Desktop Holder

DTC-4000
Desktop Charger With AC Adapter

EM-425
Earphone Microphone

LB-4000
Leather Carrying Case

HF-4000
Hands Free Car Kit

Not Shown: PHS-4000 Privacy Handset

PROTECT YOUR WARRANTY

Read your Warranty carefully, with the special consideration to paragraph seven of the Limited Warranty for your unit.

"Warranty does not apply to...or to any product or part thereof which has suffered through alteration... mishandling, misuse, neglect, or accident".

Many companies are making look-alike accessories and in some cases, promoting that their product is equal to or better than the Audiovox product. Be careful. Some of these products may not be compatible for use with your Audiovox product and may damage the unit or cause it to malfunction. If service is required on your unit, and it is determined that a non-Audiovox accessory has created the problem with your unit, the Warranty will not apply. In addition, if the unit has already suffered irreversible damage by reason of a non-compatible accessory, the Warranty will be voided. To protect your Warranty, use only compatible accessories which cannot damage or interfere with the functioning of your Audiovox product.